

MAINTENANCE LUBRICANTS



MOTUL **TECH**





MOTUL

WHO IS MOTUL?

Universally recognised for more than 160 years for the quality of its products, its capacity for innovation, and its involvement in the field of competition, Motul is truly acknowledged as the specialist in synthetic lubricants.

Passion is what unites engineering enthusiasts with their machinery, the same passion that fuels Motul's drive for innovation.

Constantly striving to develop the next step in performance, Motul demands the same commitment to excellence from its suppliers as from its own Team, with the aim of delivering the highest level of Products and Services to its clients.

From Pennsylvania's first oil rig to the brand's latest laboratory, the unfolding desire for improvement fuels the Company day-by-day in its quest to deliver innovative solutions.

The connection between Motul and its community delivers ingenious ideas and enables them together to achieve the unachievable, to push performance beyond the normal boundaries, and to deliver the unexpected over the long term, time after time.

Supporting its customer's projects and fighting side-by-side to deliver cost effectiveness inextricably linked to performance is the way that Motul commits to its business partners in a way in which no one else would.

Thanks to this commitment, Motul is now the only choice of many of the most renowned workshops in over 165 countries.



WHY CHOOSE MOTULTECH FOR MAINTENANCE LUBRICANTS

Capitalizing on its expertise to meet the constant demand for improved mechanical performance, MotulTech has developed a high-performance range of maintenance lubricants which meets and exceeds the standards demanded by industry OEMs and our customers. As for all pieces of industrial equipment, lubrication plays a key role in optimising performance and minimizing downtime. Furthermore, today's equipment are more sophisticated and environmental regulations are more demanding. Therefore, MotulTech offers a complete line of complementary lubrication products which have all been thoroughly designed to satisfy all specific needs of modern industry. Each product is the result of a long collaboration with industrial specialists. We listen to their demands and our experts develop lubricants that helps to improve our customer's industrial equipment in terms of maximised performance, reduced operating costs and increased production efficiency.



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GENERAL LUBRICATION MAINTENANCE FLUIDS

From hydraulic fluids to compressor oils, from machine tool spindle lubrication to food compatible lubricants, the MotulTech range of Maintenance lubricants offers a wide range of high performance solutions for industrialists who intend to keep their equipment in the best working condition.

Starting from high quality base oils and the best additive selection, the MotulTech laboratory created an extensive range of products in order to fulfill all the needs of a industrial maintenance service: performance, reliability, cost effectiveness, innovation, resistance to extreme conditions ease of use and much more.

01

HYDRAULIC FLUIDS

Our first-class hydraulic oils meet all demands towards a modern oil. Whether it is about high viscosity index, perfect wear protection properties, optimum protection against corrosion or biodegradability, you will always find the right lubricant in our wide range.



RUBRIC HL SERIES

Hydraulic and circulating oils formulated with selected mineral base oils and additives for corrosion protection and oxidation resistance. All RUBRIC HL products have excellent demulsifying capacity, thermal and hydrolysis stability.

Specifications:

- ISO 11158: HL
- ISO 6743-1: HL
- DIN 51524-1: HL
- NF E 48603 HL



Excellent resistance
to oxidation



Excellent protection
against corrosion



Good hydrolysis and
thermal stability



Excellent
demulsification

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	VI	Pour point °C	Flash point °C
RUBRIC AW 22	22	4.4	109	-28	212
RUBRIC B 46	46	6.7	102	-33	218
RUBRIC EE 150	150	14.4	98	-15	198



RUBRIC HM SERIES

Anti-wear, anti-corrosion and anti-oxidation premium hydraulic oils for the lubrication of hydraulic systems operating under severe conditions. RUBRIC HM thermal stability ensure long re-lubrication intervals. Help to prevent aeration and cavitation damage thanks to rapid air release. Minimise deposits formation. Suitable for hydraulic systems with very thin filters (3µm).

Specifications:

- ISO 11158: HM
- DIN 51524-2: HLP



Anti-wear



Excellent resistance to oxidation



Excellent protection against corrosion



Good hydrolysis and thermal stability



Rapid air release



Extended re-lubrication intervals

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	VI	Pour point °C	Flash point °C
RUBRIC HM 32	32	5.4	106	≤ -24	≥ 210
RUBRIC HM 46	46	6.9	110	≤ -24	≥ 215
RUBRIC HM 68	68	8.8	104	≤ -21	≥ 225
RUBRIC HM 100	100	11.1	100	-21	272



RUBRIC HLPD SERIES

Anti-wear, anti-corrosion and anti-oxidation premium hydraulic oils with detergent and dispersant qualities. Their anti-wear and zinc-free (ashless) technology deliver reliable performance and ultimate cleanliness in applications contaminated by aqueous products such as metalworking fluids. Help to prevent aeration and cavitation damage thanks to rapid air release. Very good oxidation stability and superior filterability.

Specifications:

- DIN 51524 part 2 (HLP)
- Daimler Chrysler DBL 6721
- Ortlinghaus test for wet running clutch-brake-units according to ON 9.2.19



Anti-wear



Excellent resistance to oxidation



Excellent protection against corrosion



Rapid air release



Cleaner system thanks to detergent & dispersant properties

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	VI	Pour point °C	Flash point °C
RUBRIC HLPD 32	32	5.7	118	-33	216
RUBRIC HLPD 46	46	7.2	115	-33	238
RUBRIC HLPD 68	68	9.1	111	-33	238



RUBRIC LX SERIES

Anti-wear, anti-corrosion, anti-oxidation and ash-free premium hydraulic oils suitable for the lubrication of hydraulic systems operating in severe conditions. They are especially suitable for machine tool applications where a zinc-free hydraulic fluid is recommended by the machine manufacturer or where the hydraulic oil can contaminate metalworking fluids.

Specifications:

- DENISON HF-O
- ISO 11158: HM
- ISO 6743-4: HM
- DIN 51524 part 2, HLP
- NF E 48603 HM



Anti-wear



Excellent resistance
to oxidation



Excellent protection
against corrosion



Ash-free

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	VI	Pour point °C	Flash point °C
RUBRIC LX 32	32	5.5	103	-15	182
RUBRIC LX 46	46	5.7	109	-30	228
RUBRIC LX 68	68	8.3	91	-33	258



RUBRIC HV SERIES

High performance anti-wear hydraulic oils, specifically designed to meet the needs of modern, high pressure, industrial and mobile equipment hydraulic systems. Suitable for applications operating in a wide temperature range thanks to high a viscosity index and an excellent viscosity stability. Increase drain intervals thanks to very high thermal stability. Help to prevent aeration and cavitation damages thanks to rapid air release. Suitable for hydraulic systems with very thin filters (3 microns).

Specifications:

- DENISON HF-O
- ISO 11158: HV
- DIN 51524 part 3 HVLP



Anti-wear



High viscosity index



Rapid air release



Increased drain interval

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	VI	Pour point °C	Flash point °C
RUBRIC HV 22	22	4.7	140	-45	204
RUBRIC HV 32	32	6.3	≥ 150	≤ -36	≥ 200
RUBRIC HV 46	46	7.9	≥ 145	≤ -36	≥ 210
RUBRIC HV 68	68	10.7	≥ 143	≤ -30	≥ 210



RUBRIC ARCTIC 26

RUBRIC ARCTIC 26 is a zinc-free high-performance hydraulic fluid with a very high viscosity index for all year use in hydraulic equipment operating over a wide temperature range.



Anti-wear



High viscosity index



Very low pour point



Excellent protection against corrosion

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	Viscosity at -40°C cSt	VI	Pour point °C	Flash point °C
RUBRIC ARCTIC 26	26.4	8.4	2556	326	-56	242



RUBRIC HFC 40

RUBRIC HFC 40 is a fire-resistant, hydraulic fluid which belongs to the HFC group. It contains an aqueous solution, a combination of glycols of different chain lengths as well as special additives for wear resistance and corrosion protection. Can be applied in all areas where there is a risk of a fire hazard, such as the steel industry in forging shops, heat treatment shops, casting shops – especially in die casting shops – in coal mines, but it can also be used in applications where good bio-degradability of the hydraulic fluid is important.

Specifications:

- VII Luxembourg Report approved



No flash point



Anti-wear



Excellent protection against corrosion



Good biodegradability

Product	Viscosity at 20°C cSt	Viscosity at 40°C cSt	Viscosity at 50°C cSt	VI	Pour point °C	Flash point °C	Specific heat at 20°C
RUBRIC HFC 40	80	38	27	> 150	-48	none	3.1



RUBRIC HFDU 46 FM

RUBRIC HFDU FM is a high-quality synthetic lubricant obtained by chemical synthesis from non-oil raw materials coming from renewable vegetable sources. It is readily biodegradable according to OECD 301B. Can be used in all hydraulic systems, lubrication and circulating system particularly when there are potential risks of fire and/or water contamination. Furthermore, thanks to its biodegradability, RUBRIC HFDU FM can be used in machines working in environmentally sensitive areas.

Specifications:

- ISO-HFD-U
- ISO 6743 part 4: HM-HV
- ISO 15380, part 4
- DIN 51524, part 3
- VDMA 24568
- Vickers M-2952-S
- Vickers I-286-S
- VII Luxemburg Report
- FM approval



High flash & flame points



Anti-wear



Excellent protection against corrosion



Readily biodegradable



Rapid air release



Excellent resistance to oxidation

Product	Viscosity at 40°C cSt	VI	Flash point °C	Flame point °C	NAS polluting level
RUBRIC HFDU 46 FM	46	185	300	348	Max 8

RUBRIC BIO SERIES



RUBRIC BIO 46 & RUBRIC BIO 46 S

RUBRIC BIO 46 and RUBRIC BIO 46 S are 100% synthetic biodegradable hydraulic oils using high performance esters. Specially developed for all hydraulic systems working in severe conditions, operating at high pressure within important temperature variation and requiring an environmentally friendly "Ecolabel" lubricant in the following areas: river locks, sewage treatment plants, civil works, hydraulic systems in forest, propulsion in tunnels... Suitable for all types of hydraulic pumps: axial pistons, radial pistons, gear sets or blades.

RUBRIC BIO 46 Specifications:

- ISO 6743-4 HEES
- ISO 15380
- DIN 51524, parts 2 & 3
- European Ecolabel n° DE/027/027
- Ecolabel « Blaue Engel » n°RAL-UZ 178
- Bosch Rexroth: RE 90221-01

RUBRIC BIO 46 S Specifications

- ISO 6743-4 HEES
- ISO 15380
- DIN 51524, parts 2 & 3
- Swedish Standard SS 15 54 34
- European EcoLabel n°UK/27/006
- Bosch Rexroth RD/RE 90221-01



Severe conditions



Anti-wear



Excellent protection against corrosion



Environmentally acceptable

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	Pour point °C	Flash point °C
RUBRIC BIO 46	46	7.9	-36	310
RUBRIC BIO 46 S	46	7.9	-36	285



RUBRIC BIO SYNT 46

RUBRIC BIO SYNT 46 is an ester based high performance biodegradable hydraulic fluid which can be used in all hydraulic systems. Due to its readily biodegradability (OECD 301B 90 % after 28 days) and non-toxic character there is virtually no harm when using this product in applications where there might be a risk of spillage. It can be used all year around thanks to its high viscosity index. It is compatible with the most used paints and elastomers.

Specifications:

- Swedish Standard SS 15 54 34
- European Ecolabel approval n°FI/027/002



Anti-wear



High viscosity index



Rapid air release



Environmentally acceptable



Low pour point

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	VI	Pour point °C	Flash point °C
RUBRIC BIO SYNT 46	43.2	8.8	189	-41	292

RUBRIC CLEAN PACKAGE – THE CLEAN HYDRAULIC PACKAGE

RUBRIC R-CLEAN & RUBRIC CLEAN HM



Clean, no varnish, deposit-free hydraulic system



Longer oxidation life enables extended drains



Excellent anti-wear characteristics



High thermal stability

STEP 1 – CLEAN WITH RUBRIC R-CLEAN



RUBRIC R-CLEAN

RUBRIC R-CLEAN is a non-solvent industrial system cleaner that removes existing varnish and contamination from hydraulic fluids.

RUBRIC R-CLEAN is added to existing equipment:

- Machine continues to operate and produces parts while equipment is being cleaned (maximum cleaning time recommended is 48 hours).
- At end of cleaning, cleaner/hydraulic fluid is drained and equipment is filled with mineral hydraulic oil RUBRIC CLEAN which keeps the system clean and avoids further downtime.

STEP 2 – KEEP IT CLEAN WITH RUBRIC CLEAN HM



RUBRIC CLEAN HM

RUBRIC CLEAN HM is premium mineral hydraulic oil that prevents varnish build-up and keeps your hydraulic systems running at peak efficiency. More importantly, RUBRIC CLEAN HM will extend the life of your system.

Specifications:

- Parker Denison HF-0
- MAG IAS (ex Cincinnati Machine) P-68, P-69, P-70
- DIN 51524 part 1 (HL), 2 (HLP)
- Eaton Brochure 03-401-2010

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	VI	Pour point °C	Flash point °C
RUBRIC CLEAN HM 32	32	5.6	117	-33	230
RUBRIC CLEAN HM 46	46	6.9	107	-24	240
RUBRIC CLEAN HM 68	68	9.3	110	-34	238

MULTIFUNCTIONAL OILS

All-in-one lubricant for slideway, hydraulic and gears which was especially developed for machine owners that like to keep their lubricant stock easy to manage.



RUBRIC RU SERIES

RUBRIC RU are premium multifunctional oils with improved wear protection and wide range of application temperature for any type of machine tools. RUBRIC RU have high demulsibility with water soluble metalworking fluids. Excellent anti-wear, anti-corrosion and extreme-pressure properties and compatible with plastic coated ways (SKC). Prevent stick-slip phenomenon. MotulTech's multifunctional oils meet various standards for slideways, hydraulics, gears and centralised lubrication systems.

Specifications:

Hydraulics

- ISO 11158 categories HM
- ISO 6743-4 category HM
- DIN 51524 part 2

Slideways

- ISO 11158 categories HG
- ISO 6743-4 category HG
- ISO 6743-13 category G
- CINCINNATI MILACRON P-47 and P-50

Gears

- DIN 51517 part 3
- AGMA 9005 - E02



Anti-wear



Excellent protection against corrosion



Multi-purpose



Excellent demulsification

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	VI	Pour point °C	Flash point °C
RUBRIC RU 32	32	5.6	110	-36	230
RUBRIC RU 46	46	6.9	106	-33	240

GEAR OILS

Oils specifically made for transmissions, transfer cases and differentials in all types of industrial machinery. Our large selection of mineral and synthetic transmission lubricants has been developed for a wide variety of gear types. They meet all requirements – from standard applications to the most difficult operating conditions.



SUPRACO MPL SERIES

Mineral based, zinc-free extreme-pressure lubricant for all types of highly stressed gear drives (except hypoid gears). SUPRACO MPL products have, thanks to special additives, a very high resistance to oxidation and excellent water demulsibility. They are non-corrosive lubricants for non-ferrous metals, especially bronze alloys. Can be used for gear drives, all types of reducers (except hypoid gears), worm gears, bearings and heavy loaded parts of machinery and iron works machineries.

Specifications:

- AIST 224
- AGMA 9005-F16 (AS)
- ISO 12925-1, CKD - 2002
- David Brown S1.53.101 (E)
- Strong FAG FE-8 performance



Anti-wear



Heavy load



High resistance
to oxidation



Excellent
demulsification



Compatible with
non-ferrous metals

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	VI	Pour point °C	Flash point °C
SUPRACO MPL 68	68	9	101	-24	242
SUPRACO MPL 100	104	11.9	103	-24	242
SUPRACO MPL 150	160	15.6	99	-21	242
SUPRACO MPL 220	218	18.8	96	-18	238
SUPRACO MPL 320	339	26.4	101	-15	236
SUPRACO MPL 460	475	31.9	99	-12	234
SUPRACO MPL 680	641	35.2	87	-9	234



GEAR SY SERIES

High-performance synthetic oils with extreme-pressure and anti-wear properties for the lubrication of reduction gears operating under heavy loads and high temperatures. Can be used on a large range of temperatures thanks to high viscosity index. Excellent stability to oxidation and demulsification capacity. Compatible with non-ferrous metals and bronze alloys.

Specifications:

- AIST 224
- AGMA 9005-F16 (AS)
- ISO 12925-1, CKD - 2002
- David Brown S1.53.101 (E)
- Strong FAG FE-8 performance



Anti-wear



Heavy load



High resistance
to oxidation



Excellent
demulsification



Compatible with
non-ferrous metals



High viscosity index

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	VI	Pour point °C	Flash point °C
GEAR SY 68	66	10.6	150	-30	222
GEAR SY 100	100	14.5	149	-24	240
GEAR SY 150	150	19.7	151	-51	234
GEAR SY 220	220	28.3	159	-36	224
GEAR SY 320	324	38.2	168	-24	232
GEAR SY 460	458	50.5	172	-42	226



SUPRA GEAR GL SERIES

Long-life or permanent lubrication of worm gear reduction drives, or gearboxes operating in a wide temperature range. Lubrication of all types of machine exposed to high temperatures or heavy loads in an oil circulation system. Not miscible with mineral or other synthetic lubricants. Allows thermally stable operations at temperature in excess of 200°C. Free of chlorine, sulphur and metal-based additives including lead.

Specifications:

- DIN 51517-3
- David Brown Type G lubricant
- Defense standard 05 - 50.1, No. 29 for GL 150, GL 220 and GL 460



Long-life lubricant



Heavy load



High thermal stability



Excellent
demulsification



Excellent protection
against corrosion



High viscosity index

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	VI	Pour point °C	Flash point °C
SUPRA GEAR GL 150	150	25	195	-30	191
SUPRA GEAR GL 220	237	31.8	177	-30	231
SUPRA GEAR GL 320	325	44.8	196	-30	225
SUPRA GEAR GL 460	433	63.7	220	-28	225

SLIDEWAY OILS

Our slideway oils are premium quality lubricants specially designed for the lubrication of high production machine tools. They guarantee high load carrying capacity, which significantly reduces the wear on the guides as well as excellent lubricity to prevent stick-slip phenomena. Due to the outstanding demulsifying ability and compatibility with our soluble cutting fluids they are the first choice for machine owners who prefer to get all lubricants from only one source.



SLID FILM SERIES

SLID FILM are premium oils for the lubrication of machine tool slides, centralised heating oil systems and machine tool hydraulic systems. They offer good anti-corrosion and anti-wear protection as well as extreme-pressure property. Excellent adhesion and high demulsification properties from soluble cutting fluids. Prevent stick-slip phenomena. Suitable for the lubrication of coated slides (SKC).

Specifications:

Slideways

- ISO 11158 categories HG
- ISO 6743-4 category HG
- ISO 6743-13 category G
- CINCINNATI MILACRON P-47 and P-50

Hydraulics

- ISO 11158 categories HM
- ISO 6743-4 category HM
- DIN 51524 part 2

Gears

- US STEEL 224
- DIN 51517 part 3
- AGMA 9005 - E02



Anti-wear



Excellent protection
against corrosion



Extreme pressure



Excellent
demulsification from
soluble cutting fluids



Multi-purpose



Avoid stick-slip phenomena

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	VI	Pour point °C	Flash point °C
SLID FILM 68	68	9.3	105	-24	242
SLID FILM 100	100	11.4	95.5	-18	260
SLID FILM 150	150	14.7	97	-27	242
SLID FILM 220	220	18.6	97	-18	240



SUPRA SLIDE SERIES

SUPRA SLIDE are high-performance oils for the lubrication of machine tool slideways. Specifically designed to meet requirements for low friction, good dampening properties, excellent demulsibility and protection of precision machine tools. Also suitable for moderate applications such as hydraulic and gear drive fluids. Available in two viscosities, 68 cSt for horizontal and 220 cSt for inclined and vertical slideways.

Specifications:

- Cincinnati Lamb P-47 / P-50
- SH/T0361-94 Chinese National Specification for slideway oils
- DIN 51524-2 HLP
- DIN 51517-3 CLP

 Anti-wear

 Extreme pressure

 Avoid stick-slip phenomena

 Excellent demulsification from soluble cutting fluids

 Multi-purpose

 Good filterability

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	VI	Pour point °C	Flash point °C
SUPRA SLIDE 68	70	8.9	100	-15	248
SUPRA SLIDE 220	219	19	96.1	-12	286

SPINDLE OILS

High quality oils specifically made for high-speed spindles bearings in all types of industrial machinery. These lubricants do not only prevent machine failures due to premature wear, but also cool and protect the spindle against corrosion.



SPEED SERIES

SPEED are premium oils for the lubrication of machine tool spindles and high-speed bearings. They offer a good protection against corrosion and rust along with good anti-wear properties. Good resistance to oxidation and high demulsification with soluble cutting fluids.

Specifications:

- ISO TR 3498: L-FD and L-HM
- ISO 6743-2: L-FD



Anti-wear



Excellent protection
against corrosion



Resistance to oxidation



Excellent
demulsification with
soluble cutting fluids

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	Pour point °C	Flash point °C
SPEED AA 2	2.1	1	-54	108
SPEED A 5	5.1	1.6	-46	140
SPEED A 10	10	2.7	-48	146

CHAIN OILS

A complete range for maximisation of service life of a chain drive or conveyor. MotulTech's high-performance chain and conveyor lubricants are suitable for many difficult operating conditions such as high temperature, stable, wet or corrosive environments. These products are based on synthetic base oils. They have extremely low volatility and will not form carbon deposits.



SUPRA CHAIN HT SERIES

SUPRA CHAIN HT are high temperature chain oils based on synthetic esters. They contain a special additive package consisting of antioxidants, EP wear protection and corrosion inhibitors and is thus the perfect oil for moving parts continuously operating at high temperatures. They are specifically adapted to the lubrication of chains and bearings of installations with a continuous temperature between 150 and 250°C.

Specifications:

- ISO TR 3498: L-FD and L-HM
- ISO 6743-2: L-FD



Anti-wear



Excellent protection
against corrosion



Resistance to oxidation



High temperature
resistance

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	VI	Pour point °C	Flash point °C
SUPRA CHAIN 120 HT	101	12	105	-48	278
SUPRA CHAIN 250 HT	250	19	80	-33	280

COMPRESSOR OILS

A range of special lubricants to lubricate both the working parts and the pressurized spaces in a compressor. MotulTech offers high-performance products for almost any piston and screw compressors, from small single-stage units to multi-stage versions with very high output. Depending on the application, you can find products on a mineral or synthetic basis, from 3,000 to 10,000 hrs service life.



VIS SERIES

VIS are premium ash-free lubricants for the lubrication of screw air compressors and vacuum pumps. Thanks to specific additives, VIS lubricants avoid formation of varnish and deposits and increase drain intervals. They also provide anti-wear and corrosion protection. Excellent resistance to oxidation.

Specifications:

- DIN 51506 – VBL, VCL, VDL
- ISO / DP 6521 (DAA, DAB, DAH, DAG)



Anti-wear



Excellent protection
against corrosion



Resistance to oxidation



Extended drain intervals



Avoid varnish and
deposits formation

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	VI	Pour point °C	Flash point °C
VIS 32	32	5.5	108	-15	226
VIS 46	46	7.0	110	-39	230



ALTERNA SERIES

ALTERNA are premium ash-free lubricants for the lubrication of reciprocating air compressors and vacuum pumps. Thanks to specific additives, ALTERNA lubricants avoid formation of varnish and deposits and increase drain intervals. They also provide anti-wear and corrosion protection. Excellent resistance to oxidation.

Specifications:

- DIN 51506 – VBL, VCL, VDL
- ISO / DP 6521 (DAA, DAB, DAH, DAG)



Anti-wear



Excellent protection
against corrosion



Resistance to oxidation



Extended drain intervals



Avoid varnish and
deposits formation

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	VI	Pour point °C	Flash point °C
ALTERNA 68	68	9.1	109	-15	230
ALTERNA 100	100	11.7	105	-15	230
ALTERNA 150	150	15.3	103	-15	232



BAR SY SERIES

BAR SY are synthetic high-performance oils with a high viscosity index for rotating and reciprocating air compressors for extended oil change intervals, allowing reduced maintenance costs. BAR SY oils provide excellent anti-wear performances with an excellent protection against corrosion, varnish and lacquer deposits. Very high resistance to oxidation, very low volatility and excellent de-aeration and demulsification properties. They are particularly recommended for compressors operating under severe conditions.

Specifications:

- DIN 51506 - VCL and VDL



Anti-wear



Excellent protection
against corrosion



Resistance to oxidation



Extended drain intervals



Avoid varnish and
deposits formation



High viscosity index



Very low volatility



Very good thermal
stability

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	VI	Pour point °C	Flash point °C
BAR SY 46	46	7.5	128	-36	238
BAR SY 68	68	9.9	124	-33	250
BAR SY 100	100	12.5	117	-27	252



SUPRABAR SY SERIES

SUPRABAR SY are fully synthetic oils for modern air compressors operating under severe conditions and that require extended oil change intervals. Their high viscosity index allows operations in a large range of temperature. They are designed to deliver high performance lubrication of reciprocating and rotary air compressors. They are particularly effective for installations operating under extreme climatic conditions, harsh environments and other severe operating environments.

Specifications:

- DIN 51506 (VBL, VCL, VDL)
- ISO / DP 6521 (DAA, DAB, DAH, DAG)



Anti-wear



Excellent protection
against corrosion



Resistance to oxidation



Increased drain intervals
up to 10,000 hrs



Avoid varnish and
deposits formation



High viscosity index



Very low volatility



Very good thermal
stability

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	VI	Pour point °C	Flash point °C
SUPRABAR SY 32	32	6.2	146	-42	260
SUPRABAR SY 46	46	7.7	148	-36	272
SUPRABAR SY 68	68	11.1	155	-42	280

HEAT TRANSFER OILS

A range of temperature and oxidation-resistant mineral and synthetic fluids, low viscous and chemically inert, with high thermal potential for cooling systems. These oils guarantee best corrosion protection and improved oxidation stability in enclosed heating circuits.



SUPRACAL SERIES

SUPRACAL are high-quality oils for heat transfer and thermal regulation applications. Thanks to their high temperature and oxidation stability, they have a long service life without deposit formation or viscosity increase. Excellent anti-rust, anti-corrosion and anti-foam properties. Very low vapour pressure and toxic free. Usage up to 280°C in closed tanks.



No foaming



Protection against corrosion



Resistance to oxidation



Very good thermal stability



Avoid varnish and deposits formation



Long service life

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	VI	Pour point °C	Flash point °C	Aniline point	Vapour pressure at 300°C Mb	Specific heat at 40°C Kcal/(°C x kg)
SUPRACAL 22	22	4.4	110	-36	214	112	57	2.376
SUPRACAL 32	32	5.3	104	-21	224	98.9	54	2.102
SUPRACAL 105	105	11.3	97	-17	270	110	30	2.399

FOOD GRADE OILS

The MotulTech's Food Grade oils range is especially suitable for the food industry. Typical applications are mechanisms in machines for meat processing, production of dairy and bakery products, beverages, the processing of sugar and cereals, as well as the production of pharmaceutical products, animal feed and food packaging



HYDRAULIC FG SERIES

HYDRAULIC FG are hydraulic oils NSF H1 registered lubricants formulated from medicinal white oil and dedicated to the lubrication of hydraulic systems in the food processing, cosmetic and pharmaceutical industries within a temperature range of -15 to 120°C. HYDRAULIC FG oils meet the FDA - 21 CFR 178.3570 specifications and can be used in mechanical systems where direct contact with the lubricant cannot be avoided.

Specifications:

- HYDRAULIC FG 32: NSF H1 n°151711.
- HYDRAULIC FG 46: NSF H1 n°139812 / Kosher and Halal certified.
- HYDRAULIC FG 100: NSF H1 n°141163 / Kosher and Halal certified.



Oxidation stability



Anti-wear



Extreme pressure



Excellent demulsibility with water



Protection against corrosion



Excellent anti-foam properties

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	VI	Pour point °C	Flash point °C
HYDRAULIC FG 32	32	7	≥ 140	-10	> 190
HYDRAULIC FG 46	46	9	≥ 140	-10	> 190
HYDRAULIC FG 100	100	15	155	-10	> 190



HYDRAULIC FG-F 32

HYDRAULIC FG-F 32 is a synthetic lubricant for the food-processing industry. HYDRAULIC FG-F 32 is especially adapted for the lubrication of: plain bearings, bearings, conveyor chains, hydraulic circuits particularly at low temperatures, cold industries like canning factories, slaughterhouses etc and equipment exposed in the mountains. It is the lubricant of choice in cold industries. Temperature range: -50°C to +160°C.

Specifications:

- NSF H1 n°147869



Oxidation stability and evaporation stability at high temperature



Anti-wear



Protection against corrosion



Very low pour point

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	VI	Pour point °C	Flash point °C
HYDRAULIC FG-F 32	32	6	130	-50	240



HYDRAULIC FG-V 46

HYDRAULIC FG-V 46 is a synthetic lubricant for the lubrication of hydraulic systems, plain bearings, antifriction bearings and chains in the food-processing, cosmetic and pharmaceutical industries. HYDRAULIC FG-V 46 is especially adapted for the lubrication of: hydraulic circuits particularly at low temperatures, cold industries or equipment exposed in the mountains. HYDRAULIC FG-V 46 meets the FDA - 21 CFR 178.3570 specifications and can be used in mechanical systems where a direct contact with the lubricant cannot be avoided. Temperature range: -50°C to +180°C.

Specifications:

- NSF H1 n°139811.



Oxidation stability and evaporation stability at high temperature



Anti-wear



Protection against corrosion



Very low pour point



High viscosity index



No foaming

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	VI	Pour point °C	Flash point °C
HYDRAULIC FG-V 46	46	8.5	130	-50	250



GEAR FG SERIES

GEAR FG oils are semi-synthetic oils for the lubrication of loaded gears and bearings in the food processing, cosmetic and pharmaceutical industries. GEAR FG oils meet the FDA - 21 CFR 178.3570 specifications and can be used in mechanical systems where a direct contact with the lubricant cannot be avoided.

Specifications:

- GEAR FG 150: NSF H1 n°139808 / Kosher and Halal certified
- GEAR FG 220: NSF H1 n°139807 / Kosher and Halal certified
- GEAR FG 320: NSF H1 n°139806
- GEAR FG 460: NSF H1 n°139805
- GEAR FG 680: NSF H1 n°139804



Oxidation stability



Anti-wear



Extreme pressure



Protection against corrosion



High viscosity index



No foaming

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	VI	Pour point °C	Flash point °C
GEAR FG 150	150	20	>140	-18	>220
GEAR FG 220	220	24	>140	-22	>220
GEAR FG 320	320	40	>140	-25	>220
GEAR FG 460	460	55	>140	-25	>220
GEAR FG 680	680	65	>140	-25	>220



COMPRESSOR FG SERIES

COMPRESSOR FG are synthetic oils for lubrication of air, CO2 and inert gas compressors used in the food processing, cosmetic and pharmaceutical industries. COMPRESSOR FG oils meet the FDA - 21 CFR 178.3570 specifications and can be used in mechanical systems where a direct contact with the lubricant cannot be avoided.

Specifications:

- DIN 51506 VDL
- DIN 51352
- Pneurop
- COMPRESSOR FG 46: NSF H1 n°139810
- COMPRESSOR FG 68: NSF H1 n°139809



Oxidation stability



Anti-wear



Extreme pressure



Protection against corrosion



Extended drain interval



No foaming



Excellent de-aeration



Low pour point

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	VI	Pour point °C	Flash point °C
COMPRESSOR FG 46	46	8.5	>130	<-30	>240
COMPRESSOR FG 68	68	11.7	>130	<-30	>240



CHAIN FG 320

CHAIN FG 320 is a high-performance, fully synthetic chain oil formulated for the lubrication of drive and transport chains in the food industry and equipment manufacturing food packaging industry. CHAIN FG 320 is manufactured considering constituents of the Food and Drug Administration list FDA - 21 CFR 178.3570. Temperature range: -30°C to 160°C.

Specifications:

- NSH H1 n°147870



 Oxidation stability

 Anti-wear

 High resistance to water

 Protection against corrosion

Product	Viscosity at 40°C cSt	Viscosity at 100°C cSt	VI	Flash point °C
CHAIN FG 320	320	34.1	150	280

GREASES, PASTES & AEROSOLS

MotulTech offers a wide range of greases and pastes for various applications and operating conditions. They are the first choice for the lubrication of bearings, transmission, valves, plastic and electronic components when grease lubrication is requested by the equipment manufacturer.

In addition, a complete range of NSF-H1 registered food-grade greases is available for food processing environments. It allows high performance lubrication of bearings, conveyors, hinges... that can be found in the food & beverages industry.

MotulTech's maintenance range consists as well of high-quality lubricants for any kind of maintenance, repair and overhaul application in any industry, for any workshop.

It includes a range of aerosols: several specialty products in spray cans for a simple, quick and clean form of application for various employments. Due to its precise application - even in difficult to access areas - these aerosols are indispensable for numerous maintenance and assembly applications.

GENERAL PURPOSE GREASES

Today's production facilities have a variety of grease-lubricated equipment, varying significantly in speed and load, and operating in wet or dusty environments. To maximize grease lubrication effectiveness, minimize cost and minimize risk of application-induced failure, Motul offers greases that cover a variety of applications. These greases range from slow to high speeds and from low to high loads. Single products to meet a multitude of requirements.

CALCIUM / CALCIUM EP GREASES



IRIX C 120-2 (formerly GRAISSE 113)

Multi-functional grease for machines working under mild conditions of load and temperatures. Suitable for bearing and plain bearings, slideways, sliding blocks, lubrication of various machine movements. Also intended for the temporary protection of metal parts and the protection of spray booths.

Specifications:

- ISO 12924: L-XCCIB2
- DIN 51502: KP2G-30



Extreme pressure



Multi-purpose



Water resistant



Corrosion protection

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	120	Anhydrous Calcium	2	-30 to 110 (peaks of 120)	> 140	285	amber

IRIX C 310-2



Calcium thickened multi-purpose EP grease based on a mineral oil. Recommended for lubrication of bearings, bushings and plain bearings at low to medium speed, medium temperatures and high loads in wet environments. Mainly for agricultural machinery, heavy-duty and automotive applications. This grease is compatible with multipurpose greases based on lithium and lithium/calcium.

Specifications:

- ISO 12924: L-XCCHB2
- DIN 51502: KP2G-30



Extreme pressure



Multi-purpose



Water resistant



Corrosion protection

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	310	Anhydrous Calcium	2	-30 to 120 (peaks of 130)	> 140	325	green

IRIX C 1370-O (formerly IRIX CSM 1370)



Semi-fluid grease with corrosion inhibitors and EP/AW additives. Suitable for the lubrication of heavily loaded bearings in wet and corrosive environments. Ideal for chassis or marine applications and as an universal grease for forestry, agricultural and construction vehicles. Easily pumpable even at low temperature in most high pressure centralised lubrication systems even with a high base oil viscosity.

Specifications:

- ISO 12924: ISO-L-XD(F)CHB0
- DIN 51502: KPOK-40



Extreme pressure



Heavy loads



Low temperature



Central lubrication



Water resistant

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	1370	Anhydrous Calcium	0	-40 to +120 (peaks of 130)	> 120	300	yellow

LITHIUM EP GREASES

IRIX L 50-00
(formerly IRIX LSM 1500)



Multi-purpose, extreme-pressure grease formulated from premium mineral base oils and a lithium thickener. IRIX L 50-00 grease can be used to lubricate bearings, gears and all mechanical units operating under medium loads, especially enclosed gears and bearings in poorly sealed gearcases. Also perfectly suitable for low pressure centralised systems.

Specifications:

- ISO 12924: L-XCCIB00
- DIN 51502: KP00K-30



Central lubrication



Multi-purpose



Extreme pressure



Corrosion protection

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	60	Lithium	00	-30 to 120	> 160	250	amber

IRIX L 80-0
(formerly IRIX LSM 150)



Multi-purpose, extreme-pressure grease formulated from premium mineral base oils and a lithium thickener. IRIX L 80-0 grease can be used to lubricate bearings, gears and all mechanical units operating under medium loads.

Specifications:

- ISO 12924: L-XCCIB0
- DIN 51502: KP0K-30



Central lubrication



Multi-purpose



Extreme pressure



Corrosion protection

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	65	Lithium	0	-30 to 120	> 160	250	amber



IRIX L 130-1

(former name IRIX LSM 151)

Multi-purpose, extreme-pressure grease formulated from premium mineral base oils and a lithium thickener. IRIX L 130-1 grease can be used to lubricate bearings, gears and all mechanical units operating under high loads.

Specifications:

- ISO 12924: L-XBCIB1
- DIN 51502: KP1K-20



Multi-purpose



Extreme pressure



Corrosion protection

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	130	Lithium	1	-20 to 130	> 180	250	amber



IRIX L 130-2

(formerly IRIX LSM 152)

Multi-purpose, extreme-pressure grease formulated from premium mineral base oils and a lithium thickener. IRIX L 130-2 grease can be used to lubricate bearings, gears and all mechanical units operating under medium loads.

Specifications:

- ISO 12924: L-XBCHB2
- DIN 51502: KP2K-20



Multi-purpose



Extreme pressure



Corrosion protection

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	130	Lithium	2	-20 to 120	> 180	315	amber

IRIX L 130-3
(formerly IRIX LSM 153)



Multi-purpose, extreme-pressure grease formulated from premium mineral base oils and a lithium thickener. IRIX L 130-3 grease can be used to lubricate bearings with vertical shaft, gears and all mechanical units operating under high loads.

Specifications:

- ISO 12924: L-XBCIB3
- DIN 51502: KP3K-20



Multi-purpose



Extreme pressure



Corrosion protection

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	130	Lithium	3	-20 to 130	190	285	amber

IRIX L 150-2 MO
(formerly IRIX LSM 112 MO, MOLY GREASE)



Lithium thickened lubricating grease based on mineral oil, antioxidants, corrosion inhibitors, EP/AW additives and MoS2. Suitable for general industrial applications such as lubrication of gears, rolling contact bearings, plain bearings, splined shafts, etc. under heavy conditions (load, shock, presence of water).

Specifications:

- ISO 12924: L-XBCHB2
- DIN 51502: KPF2K-30



Multi-purpose



Extreme pressure



Corrosion protection

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	150	Lithium	2	-30 to 120 (peaks of 130)	≥ 185	325	black

HIGH & LOW TEMPERATURE GREASES

Suitable greases with good sealing properties are essential, especially when it comes to the lubrication of components, that are exposed to high or low temperatures and extreme environmental conditions such as humidity, pollution. The selection of this specific grease must include consideration of oil type and viscosity, oil viscosity index, thickener type...

LITHIUM COMPLEX GREASES

IRIX EVO LX 200-2



Heavy duty grease for the long term lubrication. Specifically developed for the long term lubrication of all mechanisms subjected to very harsh working conditions. Perfectly suited for the lubrication of plain and anti-friction bearings, small reduction gears, joints and other mechanisms subjected to high temperatures and loads including car and truck wheel bearings.

Specifications:

- ISO 12924: L-XBDHB2
- DIN 51502: KPX2N-20



Multi-purpose



High temperature



Extreme pressure



Corrosion protection

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	220	Lithium Complex	2	-20 to 150 (peaks of 160)	≥ 240	400	green

IRIX INO LX 40-2
(former name IRIX HP - PLC 42)



Universal grease for wide range of temperature applications particularly at high speed and low temperature and where a lubricant with low frictional resistance even at low temperatures is required.

Specifications:

- ISO 12924: L-XEDIB2
- DIN 51502: KPHC2N-55



Extreme pressure



High speed



Low temperature



Corrosion protection

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Synthetic	44	Lithium complex	2	-55 to 140 (peaks of 180)	> 260	380	beige

IRIX INO LX 100-2



Universal grease for wide range of temperature applications particularly at high speed and low temperature and where a lubricant with low frictional resistance even at low temperatures is required.

Specifications:

- ISO 12924: L-XEDIB2
- DIN 51502: KPHC2N-55



Extreme pressure



High speed



Low temperature



Corrosion protection

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Synthetic	100	Lithium complex	2	-40 to 150 (peaks of 220)	> 260	360	beige



IRIX INO LX 220-2

High performance grease based on synthetic base stocks. Suitable for both industrial and automotive applications. The product's all-round properties and wide temperature range make it the primary choice for various types of bearing applications including in high and low temperature conditions.

Specifications:

- ISO 12924: L-XD(F)DIB2
- DIN 51502: KPHC2N-40



Corrosion protection



Extreme pressure



High temperature



Low temperature

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Synthetic	220	Lithium Complex	2	-40 to 150 (peaks of 220)	260	> 360	beige



IRIX INO LX 460-2

High performance grease based on synthetic base stocks. Suitable for heavily loaded bearings in low to medium speed applications, applications at elevated temperatures, and wet and corrosive environments. The grease is perfectly adapted to carry high loads and to resist vibrations and shock loads.

Specifications:

- ISO 12924: L-XD(F)DIB2
- DIN 51502: KPHC2N-40



Corrosion protection



Extreme pressure



Heavy loads



High temperature

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Synthetic	460	Lithium Complex	2	-40 to 150 (peaks of 220 °C)	> 260	360	beige

CALCIUM SULFONATE COMPLEX GREASES

IRIX EVO CSX 290-2 (formerly IRIX HP - CXSM 292)



Calcium sulfonate complex thickened lubricating grease based on mineral oil. Suitable for industrial, marine and off-road applications. The extreme load carrying capacity and excellent water resistance make the product a perfect choice for heavily loaded applications in hot, or wet and corrosive environments.

Specifications:

- ISO 12924: L-XC(F)DIB2
- DIN 51502: KP2N-30



Corrosion protection



Extreme pressure



Heavy loads



High temperature



Water resistant

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	290	Calcium Sulfonate Complex	2	-30 to 140 (peaks of 180)	> 280	765	brown

IRIX EVO CSX 440-2



Calcium sulfonate complex thickened lubricating grease based on mineral oil. Suitable for industrial, marine and off-road applications. The extreme load carrying capacity and excellent water resistance make the product a perfect choice for heavily loaded applications in hot, or wet and corrosive environments.

Specifications:

- ISO 12924: L-XB(F)DIB2
- DIN 51502: KP2N-30



Corrosion protection



Extreme pressure



Heavy loads



High temperature



Water resistant

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	440	Calcium Sulfonate Complex	2	-20 to 140 (peaks of 180)	> 280	660	brown

GEAR GREASES

Oils are commonly used for closed gears, but greases with low base oil viscosity can be used for high speed or open gears. The grease characteristics will then be chosen according to speed and load: with decreasing speed or increasing load, grease with correspondingly higher base oil viscosity will be used.

IRIX EVO LCX 920-000

(former name IRIX HP - LCM 92000)



Semi-fluid slideway and closed gear grease. Suitable for industrial and automotive applications with high loads and slow speeds. Particularly developed for high pressure centralised lubrication systems, lubrication of low speed rollers in linear machine tool guides and closed gears. Prime choice for wet, dirty and highly loaded environments with low speeds.

Specifications:

- ISO 12924: L-XB(F)DCB000
- DIN 51502: GP000N-20



Corrosion protection



Extreme pressure



Heavy loads



Central lubrication

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	920	Lithium / Calcium Complex	000	-20 to 120 (peaks of 130)	> 180	710	brown

IRIX EVO LCX 500-0 G
(former name IRIX HP - LCXM 500 G)



High Performance open gear grease with graphite. Designed to lubricate open mesh gears operating under heavy loads to avoid pitting and seizing. Especially suited for girth gears in the chemical, cement, mineral, fertiliser and metalworking industry or any mechanism requiring a lubricant capable of resisting severe operating conditions. Suitable spraying equipment for open gear.

Specifications:

- ISO 12924: L-XB(F)DIBO
- DIN 51502: OGPFOK-20



Corrosion protection



Extreme pressure



Heavy loads



Water resistant

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	500	Lithium / Calcium Complex	0	-20 to 120 (peaks of 130)	> 240	710	black

MACHINE-TOOLS GREASES

Machine tools increasingly run three shifts a day. So, a perfect lubrication of machine components is key to ensure reliability and durable performance whilst reducing wear and maintenance costs. MotulTech offers a range of lubricating greases dedicated to machine tools and formulated to offer the best performance and compatibility with process lubricants in use.

IRIX EVO LCX 920-000

(former name IRIX HP - LCM 92000)



Semi-fluid slideway and closed gear grease. Suitable for industrial and automotive applications with high loads and slow speeds. Particularly developed for high pressure centralised lubrication systems, lubrication of low speed rollers in linear machine tool guides and closed gears. Prime choice for wet, dirty and highly loaded environments with low speeds.

Specifications:

- ISO 12924: L-XB(F)DCB000
- DIN 51502: GP000N-20



Corrosion protection



Extreme pressure



Heavy loads



Central lubrication

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	920	Lithium / Calcium Complex	000	-20 to 120 (peaks of 130)	> 180	700	brown

IRIX INO LX 40-2*(former name IRIX HP - PLC 42)*

Universal grease for wide range of temperature applications particularly at high speed and low temperature and where a lubricant with low frictional resistance even at low temperatures is required.

Specifications:

- ISO 12924: L-XEDIB2
- DIN 51502: KPHC2N-55

**Extreme pressure****High speed****Low temperature****Corrosion protection**

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Synthetic	44	Lithium complex	2	-55 to 140 (peaks of 180 °C)	> 260	> 380	beige

IRIX EVO LC 150-2

Suitable for application in wet conditions, extends the relubrication intervals and performance due to its high degree of mechanical stability even when mixed with water. Recommended for lubrication of roller and plain bearings, manual lubrication of linear guide at low to medium speed in wet environments (machine tools, paper machines, etc.).

Specifications:

- ISO 12924: L-XB(F)CHB2
- DIN 51502: KPF2K-10

**Extreme pressure****Heavy loads****Water resistant**

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	150	Lithium / Calcium	2	-20 to 120 (peaks of 130)	> 180	≥ 315	green



IRIX EVO LC 1200-2
(formerly IRIX HP - LCM 1202 CC)

Suitable for heavily loaded industrial and heavy-duty applications including extreme outdoor wet and dirty conditions. Perfect choice for the lubrication of slow moving and heavily loaded bearings and tool or workpiece clamping systems in machine tools. This lubricating grease provides excellent adhesion and water resistance for perfect protection of chucks, collets and vices.

Specifications:

- ISO 12924: L-XB(F)CHB2
- DIN 51502: KPF2K-10



Extreme pressure

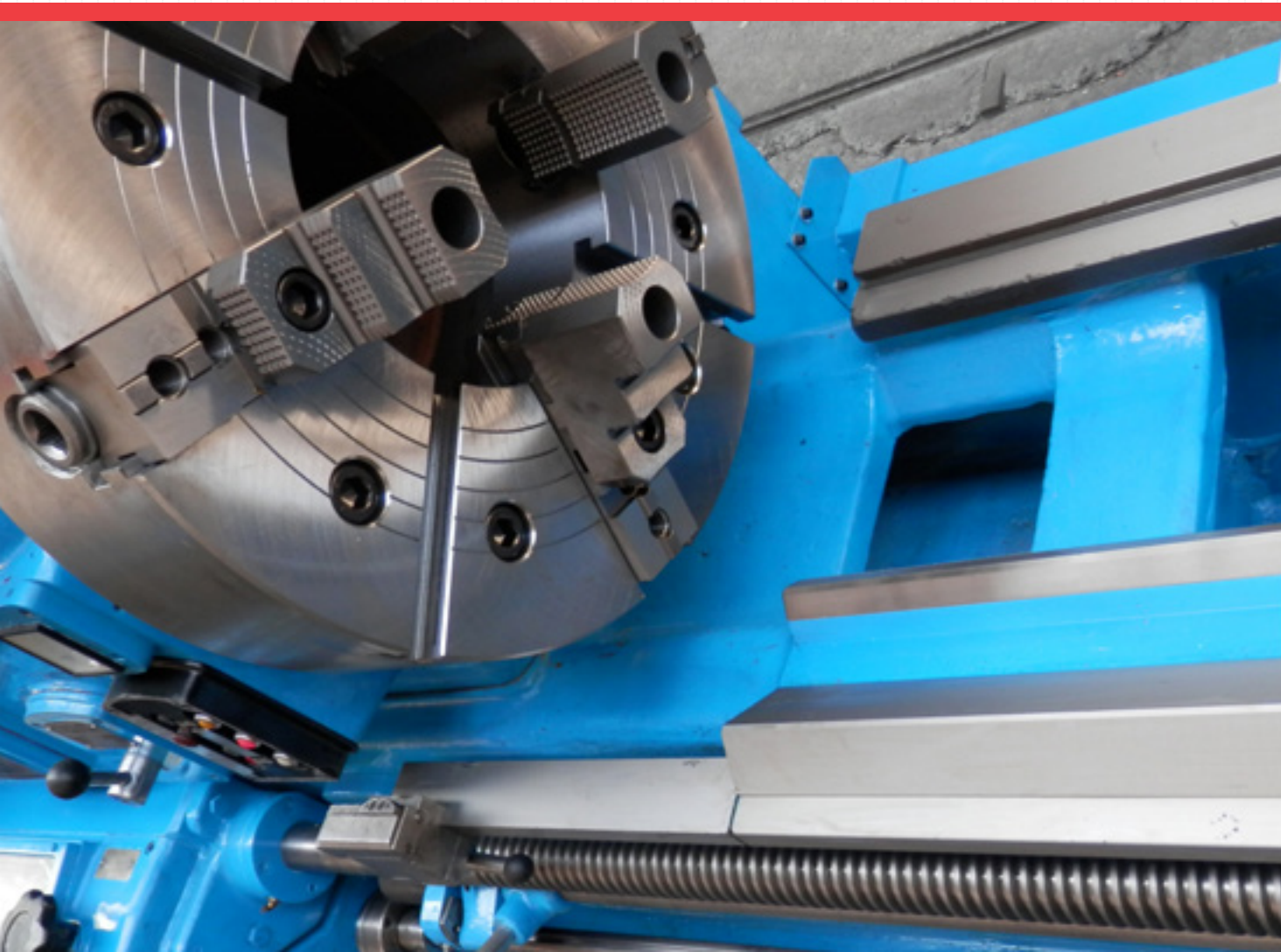


Heavy loads



Water resistant

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	1200	Lithium / Calcium	2	-10 to 120 (peaks of 130 °C)	> 180	≥ 500	white



MINING, HD & AUTOMOTIVE GREASES

Cars and on-road vehicles are not necessarily exposed to extreme conditions but they still require protection and performance in order to offer a long lasting and worry free use. Thus the greases in use have to bring lubrication for the moving parts as well as protection against the effects of water and dust for the lifetime of the vehicle.

CG GREASE 000



Multi-purpose, extreme-pressure greases formulated from premium mineral base oils and a lithium thickener. Suitable for central lubrication systems of commercial vehicles, suits also for outdoor aggregates with long pipes.

Specifications:

- ISO 12924: L-XCCIB00
- DIN 51502: KPOOK-30



Central lubrication



Multi-purpose



Extreme pressure



Corrosion protection

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	45	Lithium	00/000	-50 to 120	> 160	200	red

SOFT GREASE 0



Multi-purpose, extreme-pressure greases formulated from premium mineral base oils and a lithium thickener. Suits for filling gearbox casing, spur gears and bevel gear drives, worm gear pairs and similar industrial gears. This grease is also suited for central lubricating installations of utility vehicles as well as for outside working units having long tubing. SOFT GREASE 0 meets the requirements of the flow grease specifications of Groeneveld and MAN 283 Li-PO.

Specifications:

- DIN 51502: GPOK-40
- ISO 6743-9: ISO-L-XCDEB 0



Multi-purpose



Water resistant



Corrosion protection

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	110	Lithium	2	-30 to 120	180	240	dark brown

GREASE 100



Blue coloured, lithium saponified multi-purpose grease, based on mineral oil. Suitable to lubricate bearings, gears and all mechanical units operating under medium loads. GREASE 100 is a general-purpose grease for the lubrication applications ranging from bearings to cables, chains and other linkages as well as chassis, pins and bushings.

Specifications:

- DIN 51502: KP2K-30



Multi-purpose



Water resistant



Corrosion protection

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	110	Lithium	2	-30 to 120	180	240	blue

IRIX L 150-2 MO

(formerly IRIX LSM 112 MO, MOLY GREASE)



Lithium thickened lubricating grease based on mineral oil, antioxidants, corrosion inhibitors, EP/AW additives and MoS₂. Suitable for general industrial applications such as lubrication of gears, rolling contact bearings, plain bearings, splined shafts, etc. under heavy conditions (load, shock, presence of water).

Specifications:

- DIN 51502: KPF2K-30



Multi-purpose



Extreme pressure



Corrosion protection

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	155	Lithium	2	-30 to 120 (peaks of 140 °C)	≥ 180	≥ 325	black

IRIX EVO LX 200-2

(formerly IRIX HP - LXM 202)



Heavy duty grease for the long term lubrication. Especially developed for the long term lubrication of all mechanisms subjected to very harsh working conditions. Perfectly adapted to greases for plain bearings, anti-friction bearings, small reduction gears, joints and other mechanisms subjected to high temperatures and loads as well as car and truck wheel bearings.

Specifications:

- ISO 12924: L-XBDHB2
- DIN 51502: KPX2N-20



Multi-purpose



High temperature



Extreme pressure



Corrosion protection

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	200	Lithium Complex	2	-20 to 160	≥ 240	400	green

IRIX C 1370-O*(formerly IRIX CSM 1370)*

Semi-fluid grease with corrosion inhibitors and EP/AW additives. Suitable for the lubrication of heavily loaded bearings in wet and corrosive environments. Ideal for chassis or marine applications and as an universal grease for forestry, agricultural and construction vehicles. Easily pumpable even at low temperature in most high pressure centralised lubrication systems.

Specifications:

- ISO 12924: ISO-L-XD(F)CHB0
- DIN 51502: KPOK-40

**Extreme pressure****Heavy loads****Low temperature****Central lubrication****Water resistant**

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	1370	Anhydrous Calcium	0	-40 to 120 (peaks of 130 °C)	> 120	310	yellow

IRIX FIFTH WHEEL GREASE*(formerly FIFTH WHEEL GREASE)*

Graphite grease for semi trailer fifth wheel plate. Grease specially formulated for the lubricating of semi-trailer fifth wheel plates. Can be also used for the greasing of cables, open and ring gears, gear-racks and ball joints for civil engineering machinery.

Specifications:

- DIN 51502 : KPF2N-30

**Extreme pressure****Corrosion protection****Heavy loads**

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	800	Lithium	2	-30 to 140	190	325	black



**FIND MOTUL'S
EXTENSIVE GREASE
OFFER IN OUR
DEDICATED BROCHURE**

AGRICULTURE & FORESTRY GREASES

As agriculture & forestry activities are highly seasonal and weather dependent, the reliability of vehicles and equipment is a must for users. Using a suitable lubricating grease is therefore a key factor for a carefree harvest, ground preparation or forestry. Furthermore, lubricants have to be compatible with an outdoor use where spillage must not create any enduring contamination of natural environment.

IRIX C 310-2



Calcium thickened multi-purpose EP grease based on a mineral oil. Recommended for lubrication of bearings, bushings and plain bearings at low to medium speed, medium temperatures and high loads in wet environments. Mainly for agricultural machinery, heavy-duty and automotive applications. This grease is compatible with multipurpose greases based on lithium and lithium/calcium.

Specifications:

- ISO 12924: L-XCCHB2
- DIN 51502: KP2G-30



Extreme pressure



Multi-purpose



Water resistant



Corrosion protection

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	310	Anhydrous Calcium	2	-30 to 120 (peaks of 130)	> 140	320	green

HD-AGRI GREASE



Multipurpose grease specially formulated for applications requiring a good resistance to heavy loads and water. Greasing of roller and plain bearings, articulations, cables of tractors, harvesters, wine machinery and all types of civil engineering machinery.

Classification

- DIN 51502: KP2N-30



Extreme Pressure



Corrosion Protection



Water Resistant

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Semi-synthétique	800	Lithium	2	-30 à 140	190	285	green

IRIX BIO 30-000



Environmentally Acceptable Lubricant suitable for for automatic centralized outdoor lubricating installations in the industrial and HD sector, particularly for outdoor utility vehicles. Also appropriate for the onboard lubrication of wheel flanges for underground or above ground rail vehicles and for the temporary protection of metal parts.

Specifications:

- DIN 51502: KPE000K-40
- Ecolabel registration n° DE/027/300



Environmentally acceptable



Central lubrication



Multi-purpose



Corrosion protection

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	Colour
Ester	32	Inorganic	000	-40 to 120	none	amber

IRIX BIO C 110-2



Multifunctional biodegradable grease for machines working under mild conditions of load and temperature. Suitable for bearing and plain bearings, slideways, sliding locks, lubrication of various machine movements. Also intended for the temporary protection of metal parts. This lubricating grease offers a good mechanical stability, a good resistance to shock loads and is easily pumpable in most modern centralised lubrication systems.

Specifications:

- ISO 12924: L-XCBHB2
- DIN 51502: KPE2E-30



Central lubrication



Environmentally acceptable



Extreme pressure



Multi-purpose



Water resistant



Corrosion protection

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Ester	110	Calcium anhydre	2	-30 to 80 (peaks of 100)	> 140	280	amber

IRIX BIO C 210-2 FG



High performance EAL (Environmentally Acceptable Lubricant) and food grade grease. This grease is ideal not only for applications in the food producing sector, but also in marine, forestry, agriculture and construction machinery. It is easily pumpable in most modern high-pressure centralized lubrication systems.

Specifications:

- ISO 12924: L-XD(F)BIB2
- DIN 51502: KPE2G-40



Environmentally acceptable



Extreme pressure



Multi-purpose



Water resistant



Corrosion protection

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Ester	210	Calcium anhydre	2	-40 to 120	> 140	300	white

IRIX HP - SI 180



Biodegradable railway switch and wheel flange grease. Year-round grease for railway points and wheel flanges. Suitable for all kind of trackside lubrication spray systems. This product features excellent sprayability even at very low temperatures and extreme climatic conditions.

Specifications:

- DIN 51502: KPF2K-30



Central lubrication



Water resistant



Environmentally acceptable



Special application

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grad	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Biodegradable oil	20	Microgel	n/a	-30 to 120	none	n/a	dark yellow

MARINE GREASES

IRIX EVO CSX 440-2



Calcium sulfonate complex thickened lubricating grease based on mineral oil. Suitable for industrial, marine and off-road applications. The extreme load carrying capacity and excellent water resistance make the product a perfect choice for heavily loaded applications in hot, or wet and corrosive environments.

Specifications:

- ISO 12924: L-XB(F)DIB2
- DIN 51502: KP2N-20



Corrosion protection



Extreme pressure



Heavy loads



High temperature



Water resistant

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	440	Calcium Sulfonate Complex	2	-20 to 140 (peaks of 180)	> 280	650	brown

FOOD & BEVERAGE INDUSTRY GREASES

Like any industry, lubrication is key to reliability and productivity, but it is equally important that the lubricants used in the food industry actively contribute to improving food safety standards too, hence MOTUL has consistently invested in its capability to formulate food grade lubricants that deliver equipment protection whilst ensuring compliance with relevant industry regulations. The MotulTech range of high performance food grade greases are NSF H1 registered.

Maintenance Lubricants

53



IRIX BE 70-2 FG

All-purpose food grade grease. Suitable for the lubrication of antifriction bearings, chains, joints, slides in food processing, cosmetic and pharmaceutical industries. IRIX BE 70-2 is intended for use in applications where there is only potential for incidental food contact.

Specifications:

- ISO 12924: L-XBCAA2
- DIN 51502: KPX2K-15

MotulTech



Water resistant



Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
White oil	70	Bentonite	2	-15 to 120	none	n/a	crystal

IRIX EVO CSX 100-2 FG



Calcium sulfonate complex thickened lubricating grease based on pharmaceutical grade white oil and synthetic base stock. Suitable for food industries where lubricants may have incidental contacts with food stuff. It is recommended for heavy loaded applications with medium to high speed bearings such as pellet presses and compactors used to process pet food and animal feed. Good pumpability in centralised lubrication system even at low temperature.

Specifications:

- ISO 12924: L-XC(F)DHB1.5
- DIN 51502: KP1.5N-30



 Extreme pressure

 Heavy loads

 Low temperature

 Water resistant

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Semi-synthetic	100	Calcium Sulfonate Complex	1.5	-30 to 140 (peaks of 180)	> 300	650	brown

IRIX EVO CSX 460-2 FG



Calcium sulfonate complex thickened lubricating grease based on pharmaceutical grade white oil. Suitable for food industries where lubricants may have incidental contacts with food stuff. Recommended for heavy loaded applications with low to medium speed bearings, such as pellet presses and compactors used to process pet food and animal feed.

Specifications:

- ISO 12924: L-XB(F)DHB2
- DIN 51502: KP2N-20



 Extreme pressure

 Heavy loads

 Low temperature

 Water resistant

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
White oil	460	Calcium Sulfonate Complex	2	-20 to 140 (peaks of 180)	> 280	650	brown



IRIX INO AX 330-2 FG

(formerly IRIX HP - PAK 332)

High performance universal food machinery grease. Suitable for food industries where lubricants may have incidental contacts with food stuff; bearings operating at medium speeds, including heavily loaded applications. The grease has good water and oxidation resistance.

Specifications:

- ISO 12924: L-XD(F)CEB2
- DIN 51502: KPHC2K-40



Extreme pressure



Heavy loads



Water resistant

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Synthetic	330	Aluminum Complex	2	-40 to 120 (peaks of 130)	230	> 400	white



IRIX INO TF 1000-3 FG

Grease developed from a high viscosity silicon oil, thickened with PTFE. Suitable for the lubrication of seals and gaskets, plastic parts for tap and valve systems, sealing of glass instruments. Can also be used for very low-load rolling bearings used in food & beverage industry.



High temperature



Special application

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Silicone	1000	PTFE	3	-45 to 180	> 300	-	white



IRIX BIO C 210-2 FG

High performance EAL (Environmentally Acceptable Lubricant) and food grade grease. This grease is ideal not only for applications in the food producing sector, but also in marine, forestry, agriculture and construction machinery. It is easily pumpable in most modern high-pressure centralized lubrication systems.

Specifications:

- ISO 12924: L-XD(F)BIB2
- DIN 51502: KPE2G-40



Environmentally acceptable



Extreme pressure



Multi-purpose



Water resistant



Corrosion protection

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Ester	210	Calcium anhydride	2	-40 to 120	> 140	300	white



IRIX CERAMIC PASTE

Non-toxic assembly paste based on synthetic oil with a high content of solid ceramic lubricants. Suitable for lubricating bushes, sliding surfaces, and small open plastic or metal gears. It is also an anti-seize compound for threaded fasteners. The compound is designed to prevent damage during startup and protect against premature wear during the running in period. Not recommended for the lubrication of anti-friction bearings.



High temperature



Special application



Heavy loads



Water resistant

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Synthetic	240	Silica	2	-30 to 150 1150 °C as anti-seize agent	none	600	white

SPECIALITY GREASES

From a large variety of additives and base oils, these Motul products offer peak performance and reliability in extreme conditions, for day to day maintenance or lifetime lubrication.

IRIX INO P 260-2



One-of-a-kind high performance synthetic lubricant grease. Suitable for a wide variety of applications where long life is of critical importance. Improved lubrication of sensitive materials such as aluminium, ceramics, and elastomers. Due to the inert nature of the thickener system, the product is also compatible with most types of conventional lubricating greases.

Specifications:

- ISO 12924: L-XC(F)CIB2
- DIN 51502: KPHC2K-30



Corrosion protection



Extreme pressure



Central lubrication



Multi-purpose



Water resistant

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
PAO	260	Polymer	2	-30 to 120	> 140	320	beige

IRIX EVO PU 190-2



This grease is extremely temperature stable and covers a wide temperature range. It is extremely suitable for lubricating roller and friction bearings exposed to high temperatures and pressure. It is especially appropriate for life-time lubrication of roller bearings in maintenance-free devices but also for earthmoving equipment or the crushing industry where longer lubrication intervals are determined.

Specifications:

- DIN 51502: KP2P-30



Corrosion protection



Extreme pressure



High temperature



Special application



Water resistant

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	190	Polyurea	2	-30 to 160 (peaks of 180)	> 300	300	amber

IRIX INO TF 500-2



High Performance grease based on fluorinated base stock and a PTFE thickener. Adapted for the lubrication of bearings and articulations submitted to high temperatures as in corrugator service, ovens, drying and stabilisation tunnels. Typical applications include preconditioner rolls, single facers, and double backers. It is well suited for the lubrication and preservation of electrical contacts. The product is chemically inert, non-flammable, non-toxic and remains unaffected by water and steam, preventing lubricant washout.

*** Special lubricant, please contact Motul before ordering.**



High temperature



Extreme pressure



Corrosion protection



Water resistant



Special application

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
PFPE	500	PTFE	2	-30 to 300	none	> 500	white



IRIX INO TF 1000-3 FG

Grease developed from a high viscosity silicon oil, thickened with PTFE. Suitable for the lubrication of seals and gaskets, plastic parts for tap and valve systems, sealing of glass instruments. Can also be used for very low-load rolling bearings used in food & beverage industry.



High temperature



Special application

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Silicone	1000	PTFE	3	-45 to 180	> 300	-	white



IRIX ROBOT GREASE

High quality soft grease formulated with lithium soap, mineral base oil stocks and extreme pressure, anti-wear, anti-corrosion & anti-oxidation additives. Suits for filling gearbox casing, spur gears and bevel gear drives, worm gear pairs and similar industrial gears. It is also suited for central lubricating systems of utility vehicles and it meets the requirements of the flow grease specifications of Groeneveld and MAN 283 Li-PO. Recommended for use in industrial robot components

Specifications:

- DIN 51 502: GP 0 K-40
- ISO 6743-9: ISO-L-XCDEB 0



Oxidation stability



Water resistant



Corrosion resistant



High load

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	90	Lithium	0	-40 to +120	180	265	dark brown

ASSEMBLY PASTES



IRIX CERAMIC PASTE

Non-toxic assembly paste based on synthetic oil with a high content of solid ceramic lubricants. Suitable for lubricating bushes, sliding surfaces, and small open plastic or metal gears. It is also an anti-seize compound for threaded fasteners. The compound is designed to prevent damage during startup and protect against premature wear during the running in period. Not recommended for the lubrication of anti-friction bearings.



High temperature



Special application



Heavy loads



Water resistant

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Synthetic	240	Silica	2	-30 to 150 1150 °C as anti-seize agent	none	600	white



IRIX ALUMINIUM PASTE

Assembly paste blended from mineral oil, lithium thickener, a mix of aluminium and graphite solid lubricants (20%) and EP additives. Suitable to ease assemblies, static or semi-static (coupling electrical motor/gear box, ingot clamps, and any other mechanical parts working at very low speed and high temperatures). This paste considerably reduces contact corrosion effects and eases disassembly even after a long period of exposure at high temperature.



Heavy loads



High temperature



Special application



Corrosion protection

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	100	Lithium	2	-20 to 140*	> 190	300	aluminium

* Dry lubricating properties from 200 to 700

IRIX COPPER PASTE

(former name IRIX HP - BEM 482 CU)



Assembly paste based on mineral oil and copper powder (25%). Suitable to ease assemblies, static or semi-static (coupling electrical motor/gear box, ingot clamps, and any other mechanical parts working at very low speed and high temperatures). This paste considerably reduces contact corrosion effects and eases disassembly even after a long period of exposure at high temperature.

Specifications:

- ISO 12924: L-XCGDB2
- DIN 51502: KF2T-35



Heavy loads



Corrosion protection



Special application



High temperature

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	485	Bentonite	2	-35 to 1100	none	400	copper

IRIX ROCK DRILL PASTE



High performance chisel / rock drill paste. Suitable for various types of bearing applications including heavy load conditions and wet environments. The copper and graphite solid additives give extra protection in applications with slow moving or oscillating motions.

Specifications:

- ISO 12924: L-XBCHB2
- DIN 51502: KPF2K-20



Heavy loads



Extreme pressure



Water resistant



Corrosion protection

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Semi-synthetic	320	Lithium Complex	2	-20 to 180 (peaks of 200)	> 240	≥ 620	black


IRIX EVO LC 1200-2
(former name IRIX HP - LCM 1202 CC)





Non-toxic, assembly paste based on mineral oil with a high content of solid lubricants (ceramic). Suitable for heavily loaded industrial and heavy-duty applications including extreme outdoor wet and dirty conditions. Perfect choice for the lubrication of slow moving and heavily loaded bearings and tool or workpiece clamping systems in machine tools. This paste provides excellent adhesion and water resistance for perfect protection of chucks, collets and vices.

Specifications:

- ISO 12924: L-XB(F)CHB2
- DIN 51502: KPF2K-10

 Extreme pressure

 Heavy loads

 Water resistant

Base oil	Base oil viscosity at 40°C cSt	Thickener	NLGI grade	Temperature range (°C)	Drop point (°C)	4-Ball weld load kg	Colour
Mineral	1200	Lithium/Calcium	2	-10 to 120 (peaks of 130)	> 180	≥ 500	white

AEROSOLS

Specialty products for a simple, quick and clean form of application for various employments. Due to its precise application - even in difficult to access areas - these aerosols are indispensable for numerous maintenance and assembly applications.



SAFCO SPRAY MULTILUBE

Penetrating, deoxidizing, anti-humidity, lubricant, degreaser, tar remover, scrubbing, inks thinner, anti-resin, cleaner for plasters and mastics. Clean, colorless, it is guaranteed silicon and orthophosphoric acid free and contains no chlorinated solvents. Remove scrubbing, eliminates light or heavy hydrocarbons. Based on natural plant esters.



Multi-purpose



Non irritating product,
without silicone, acids
or chlorinated solvents



Compatible with all
plastics, elastomers
& paints



Biodegradable

Aspect - Colour	Base oil viscosity at 40°C cSt	Flash point °C	Vapour pressure hPa	Surface tension at 25°C Dynes/cm
Clear - Amber	3.3	> 100	< 0.1	29.8



SAFCO SPRAY 21

SAFCO SPRAY 21 is an excellent degreasing solvent specifically developed for surface cleaning and preparation processes in the presence of considerable levels of pollution. It is also well-suited for the removal of ink, oil and grease. SAFCO SPRAY 21 has a high purity index and is suitable for cleaning polluted electrical equipment. It has no effect on most high density plastics and elastomers.



Quick evaporation



Multi-purpose



Compatible with high density plastics and elastomers

Aspect	Flash point °C	Evaporation rate Min	Freezing point °C	KB index
Clear	23	10	< -30	90



EJECTOR LUBE

EJECTOR LUBE is a high performance perfluorinated liquid grease for the lubrication of plastic injection mold ejectors.



High temperature stability, inflammable



Anti-wear



Very good protection against corrosion



Compatible with any kind of metals, plastics and elastomers

Aspect	Base oil viscosity at 25°C cSt	Base oil viscosity index	Base oil pour point °C	4 ball test, wear scars mm
Clear	80	108	< -35	0.66



DEMOLD SPRAY

DEMOLD SPRAY is a release agent for plastic injection moulds, extrusion, blow moulding, thermoforming and compression. Perfect for the release of materials such as polyamides, ABS, polyurethanes, epoxies, polyesters, rubbers...



High temperature stability, inflammable



Anti-wear



Very good protection against corrosion



Compatible with any kind of metals, plastics and elastomers

Aspect	Base oil viscosity at 25°C cSt	Maximum service temperatures °C
Clear	700	-40 to +200



INTENSE CLEANER

High power gel cleaner for paints, residues and dirt on metal surfaces. Especially suited for the cleaning of plastic residues on plastic injection moulds. Suitable for vertical surfaces.



No chlorinated solvent



Ultra-fast action time



High flash point



Universal, for all type of paints and resins

Aspect

Nature of gelling agent

Self-ignition point
°C

Flash point
°C

Opaque - Blue

Organic

230

43



SUPRACO SPRAY

For very severe machining on all ferrous metals such as manual thread, comb thread, rolling thread, die thread, drilling, manual and semi-automatic tapping.



Extreme pressure



Increased tool-life



High lubricating power



SIEGE PARIS

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