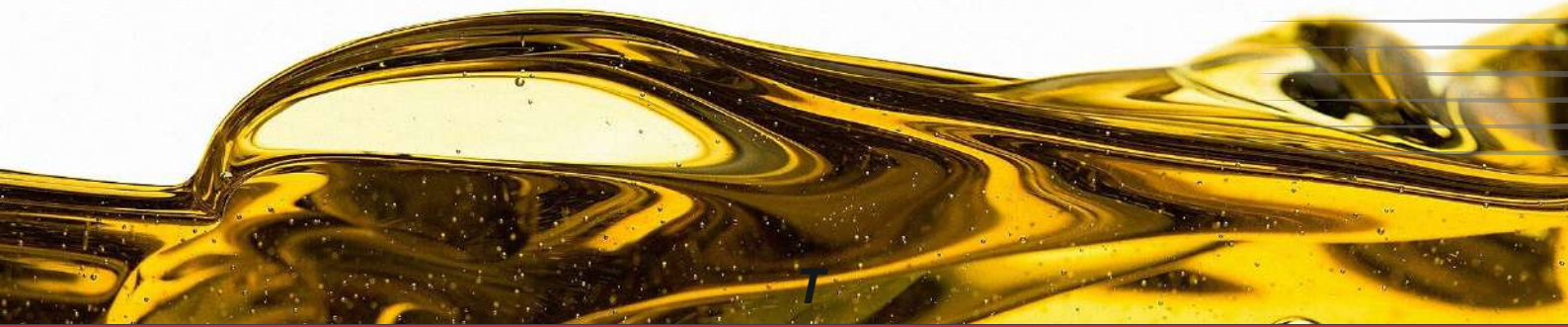




Synthetic Engine Oil echnology



**STRENGTH FOR
MAXIMUM
PERFORMANCE**



INDUSTRIAL COMPRESSED AIR & GAS SOLUTIONS

■ HYDRAULIC SYSTEM OILS

TRYOIL HYDRO S 32, 37, 46, 68, 100

Anti-wear hydraulic oils for general hydraulic applications. Meet the requirements of DIN 51524 HLP, Category HM and Vickers I-286-5 and M-2950-S.

TRYOIL HYDRO ZF SERIES

Series of hydraulic oils containing a new generation additive package that do not contain zinc and chlorine and meet the requirements of many hydraulic equipment manufacturers. Their enhanced thermal stability makes them suitable for pumps containing steel on bronze lubrication surfaces and silver plate.

TRYOIL HYDRO HFC 32, 46, 68

Polyalkylene glycol mixture. It is a clear liquid with excellent lubrication and long life, excellent corrosion and wear protection. It is formulated to provide protection against rust in both steam and liquid phases.

TRYOIL HYDRO T 15, 22, 32, 46, 68, 100

Having a very high viscosity index these oils are designed for use in hydraulic power and control systems that are subjected to extremes of ambient temperatures. Meets viscometric and anti-wear requirements of MIL-H-24459 (ships) and exceeds those of CETOP standard RP91H category HV.

TRYOIL HYDRO HFDU 46-68

HFDU Series oils with synthetic organic ester based liquids, self-extinguishing properties. The absence of nitrogen, sulfur, chlorine and phosphorus-containing compounds prevents hazards associated with the decomposition of harmful or toxic products.

■ SLIDEWAY LUBRICANTS

TRYOIL SLY 32, 68, 220

Machine tool lubricants specially designed for tableway lubrication. In addition to rust inhibitors and anti-wear additives, a tackiness additive enhances adhesion to vertical slides.

■ GEAR OILS

TRYOIL GEAR OIL 90, 140 (GL-1)

Gear oils based on premium quality mineral oils with antifoam additives and pour point enhancer. Especially suitable for gears, operating under light and uniform service conditions.

TRYOIL GEAR OIL EP 80W90/85W140

Excessive pressure gear oils are used in hypoid differentials and steering gear. Suitable for existing ZF and plump gearboxes in most commercial vehicles. It contains high quality base oils and EP additives to increase load carrying capacity.

TRYOIL GEAR EP 68, 100, 150, 220, 320, 460, 680, 1000

Extreme pressure gear oils combining high load carrying capacity in steel gear transmissions with good anti-friction characteristics intended primarily for all types of enclosed industrial gear drives including worm gears.

■ GENERAL LUBRICATION

TRYOIL CLASS SERIES 1005-1037-1050 1100-1150

Mixed base cost effective lubrication of semi-finished steel parts.

TRYOIL FHL SERIES

Contribution amount used in the general applications where lubrication is not required at the forefront of economic and grinding oils.

■ RUST AND CORROSION INHIBITORS

TRYOIL NO-RUST 40-30

Provides excellent rust protection on metal surfaces. Long service life due to its hydrophobic (water repellent). When the product is used without any dilution with solvents (100% concentrate), it forms 2-3 μ thick dry film on the metal surface. Does not leave fingerprints thanks to dry film layer.

TRYOIL NO-RUST 50-32

Provides excellent rust protection on metal surfaces. Long service life due to its hydrophobic (water repellent). When the product is used without any dilution with solvents (100% concentrate), it forms 6-8 μ thick dry film on the metal surface. Does not leave fingerprints thanks to dry film layer.

TRYOIL ANTIRUST 50, 75, 100, 150

Barium-free, high performance wax based corrosion protective product. It consists of a combination of hydrocarbons, film-forming corrosion inhibitors (sodium and calcium sulphonates) and solvents. It is a protective oil that prevents oxidation and corrosion in ambient conditions such as air, water and moisture during the intermediate storage or transportation of all kinds of iron and steel and coating materials. That produces a thick, touch resistant, bug-corrosion protective film term.

TRYOIL NO-RUST 52-00

Provides excellent rust protection on metal surfaces. Long service life due to its hydrophobic (water repellent). When the product is used without any dilution with solvents (100% concentrate), it forms 6-8 μ thick dry film on the metal surface. Salt corrosion test in accordance with ASTM B 117 standard exceeds 24 hours.



INDUSTRIAL COMPRESSED AIR & GAS SOLUTIONS

TRYOIL RUSTSTOP 800 C

Maintains its fluidity at low temperatures and has the ability to remove water from metal surface and eliminate fingerprints. In particular, it provides protection against rust-like guns and pistol class weapons. It is also effective in rust protection of machine components, bearing elements and various steel parts. Meets VV-L800C specification.

■ COLD FORMING OIL AND OIL PASTES

TRYOIL KTRN-H

Special volatile stamping and press oil produced by blending special isoparaffinic solvents with high volatility and containing high EP (extreme pressure) additives. After application, it evaporates away from the material and thus enables further processing.

TRYOIL DRW N/E SERIES

Cold forming and deep drawing lubricants. DRW Series, which contain high amount of sulphurized EP additives and special friction and lubricity modifiers. DRW E Series can be diluted or washed totally with water.

■ METAL CUTTING LUBRICANTS

A) PURE CUTTING OILS

TRYOIL CUT HS SERIES

Non-staining and non-corrosive. High-performance multi-purpose cutting oils. Chlorine-free, Non-staining and non-corrosive. They are designed for light to moderate duty cutting operations and they are also suitable as machine tool lubricants and for use in light duty hydraulic systems. They are produced in different viscosities especially for screw, nut manufacturing and deep hole drilling operations.

TRYOIL CUT HS N

Brand of cutting fluids has gained a well-deserved reputation for innovation and outstanding performance over the years. Series are an important member of this family with their chlorine-free and low-misting additive technology.

TRYOIL CUT HS PLUS

Pure cutting oils containing high pressure additive package (EP) designed for cold forming processes. Do not contain chlorine, nitrate, amine and derivatives.

TRYOIL CUT HS NS

Non-staining and non-corrosive. High-performance multi-purpose cutting oils. Chlorine-free, Non-staining and non-corrosive. They are designed for light to moderate duty cutting operations and they are also suitable as machine tool lubricants and for use in light duty hydraulic systems. They are used in the yellow metals, non-staining.

TRYOIL LUBRACUT MA

Series do not contain heavy metal with new generation with very low viscosity. It is a special cutting fluid which is used directly as pure without mixing with water in low aromatic structure. Surface cleaning is also extremely high. May also be used for drilling, turning of non-ferrous metals.

TRYOIL CUT H 15N-22N-32N-35N-50N

Series are light colored deep drilling oils containing active sulfur, sulfurized additives and pressure additives. They are used in chip removal of steels, including alloyed steels.

TRYOIL CUT M15 AL

Formulated with special raw materials and additives with high oxidation resistance. It is recommended to use in environments where high temperature is difficult, especially in machines where temperature control cannot be achieved. Such as all kind of metalworking (turning, drilling, tapping, broaching) of non-ferrous (aluminium and magnesium) metals.

TRYOIL SHINE OIL

Premium quality paraffinic metal polishing oil produced by solvent refining. The wax is removed by special methods until low freezing point is obtained. It does not leave any residue when burned, polishes the metal surfaces perfectly and dissolves the resinous dirt.

TRYOIL CUT M SERIES

Multi-functional grade for use as cutting oil, general purpose machine tool and slide way lubricants and as hydraulic medium. In the machining of all non-ferrous metals and ferrous metals up to 1050 MN/m².

TRYOIL CUT DX

High performance, anti-mist, deep hole drilling oil for the machining the harder and more difficult metals.

TRYOIL LUBRACUT MA PLUS

Light viscosity metalworking fluid, designed for honing operations and high speed grinding. It has been formulated to provide the machined part with a smooth surface finish and polish. The formula has been designed to be chlorine free.

TRYOIL DRAW SBT

High performance spinning oil and is used for demanding bending, drawing, spinning and forming of metals. Provides long machine life with EP additives and soap molecules in its formula, and its superior lubrication feature improves the surface quality of the processed materials, minimizes crushing under load and contains slides that prevent cracking.

TRYOIL DRAW K 18

High-performance cold-forming lubricant used for tough straightening of metals. It provides both protection and polishing function with its special additives.

TRYOIL CUT XLE

The lubrication effect is superior to standard cutting fluids. It keeps the bench clean by preventing the accumulation of impurities in the equipment thanks to its detergent additives.

TRYOIL CUT VG SERIES

Refined structure with aluminum cutting, according to industry hydrodynamic spindle bearings for machine tools in the field of grinding spindles.

B) WATER SOLUBLE CUTTING OILS

TRYOIL APEXSOL BR

Multi-purpose milky emulsion coolant used in the general machining processes e.g. drilling, milling, turning, boring, and cold sawing. High resistance to microorganisms, biostable.

TRYOIL APEXSOL CT 830

Semi-synthetic coolant best used in heavy duty turning, milling, broaching operations on tough non-ferrous alloys, steels and alloy steels. High resistance to microorganisms, biostable.

TRYOIL APEXSOL CT 880

Semi-synthetic coolant with a wide range of application used in the machining of steel, aluminium, copper and cast iron. High resistance to microorganisms, biostable.

TRYOIL APEXSOL CT891 H

Semi-synthetic coolant with a wide range of application used in the machining of steel, aluminium, copper and cast iron. High resistance to microorganisms, biostable.

TRYOIL APEXSOL CT 840

Milky emulsion type coolant for aluminium and copper, containing inhibitors to prevent staining. High resistance to microorganisms, biostable.

TRYOIL APEXSOL CT 81 G

Due to its biostable, abrasive semi-synthetic grinding fluid and high detergent power, it ensures that grinding wheels remain clean. The foam control is excellent with the defoamer additive panel.

■ HEAT TRANSFER OILS

A) MINERAL HEAT TRANSFER OILS

TRYOIL THERM OIL 32 SERIES

Heat transfer oil used in closed systems working in temperature range of -15°C and +320°C. It has a low vapor pressure, high oxidation thermal stability thus making it a premium heat transfer fluid. In addition to that, Therm Oil is a low volatile, corrosion protecting oil high heat transfer coefficient.

B) SYNTHETIC HEAT TRANSFER OILS

THERMINOL SP (-10 C TO 315 C)

TERMINOL 66 (345 C) - THERMINOL 72 (380 C)

THERMINOL VP-1 (400 C)

Therminol series full synthetic heat transfer oils are used for up to forty years in the system where they are put at high temperatures if there is no leakage and oxidation by filling and using under the right conditions.

TRYOIL THERMFLUSH

Detergent additive, to be added to hot oil circulation lines, before changing the used oil in order to dissolve viscous oxidation products blocking the lines.

■ CIRCULATING OILS

TRYOIL OPTIMA SERIES

Premium quality mineral oils for applications where additive treated oils are not required. Recommended for the lubrication of plain and rolling elements, bearings as well as for spur, bevel, helical and worm gearboxes where temperatures and loadings are moderate.

■ TURBINE OIL SERIES

TRYOIL TURBINE OIL SERIES 32,46,68,100

Formulated with high quality severely hydroprocessed solvent paraffinic base oils, antioxidants and rust inhibitor. Applications in textile machines, steam and gas turbines.

■ AIR COMPRESSOR OILS

TRYOIL COMPRESSOR OIL (PULSAR)

32, 46, 68, 100, 150

Specifically formulated for the lubrication of reciprocating, rotary and screw compressors, both mobile and stationary installations up to a discharge air temperature over 220°C, excellent stability to oxidation, high corrosion protection, high anti-wear capacity.

TRYOIL VACUMAX 100

It is a mixture of special and synthetic oils developed for use in vacuum pumps, high lubricity and highly resistant to oxidation and aging.

TRYOIL COMPRESSOR OIL SH (CPR SINT) PAO

Synthetic air compressor oil manufactured from the highest quality synthetic hydrocarbon base-stocks and advanced additive technology. The SH Series lubricants have low pour points, high viscosity indexes and excellent water demulsibility.

■ HEAT TREATMENT OILS, POLYMERS AND COMPLEMENTARY PRODUCTS

TRYOIL QUENCH 1690

It is a low viscosity, high performance, very high heat treatment oil. They are usually used in open bathrooms. Thin high-performance Lubratech Quench 1690 is mainly used for high hardening ability in alloy and non-alloy reclaim cementation applications and good hardness depth in thick sections.

TRYOIL QUENCH 2210

It is a high performance oil with very high hardening properties. They are usually used in open bathrooms. The high-performance Lubratech Quench 2210 is generally used for high hardening capability in alloy and non-alloy reclaim cementation applications and good hardness depth in thick sections.

TRYOIL QUENCH 2770

It is a high performance hardening oil with high hardening capability and very little evaporation. These oils have been developed for use in closed and open pit systems. It prevents the atmosphere in which the process is performed to be negatively affected by oil vapor and provides rapid disintegration of the vapor film in the charge. Because of this feature, all materials in the process can be cooled homogeneously and quickly. Due to their high evaporation and oxidation resistance, these oils are often used in open baths. It can be preferred in terms of working environment as it prevents formation such as fire, soot and smoke.

TRYOIL QUENCH 4590

Intermediate martempering oil with very high oxidation resistance. It allows all parts to cool in a homogeneous manner without causing deformation. It has excellent evaporation stability.

TRYOIL QUENCH MART SERIES 7700/7900/8700/8900

It is a range of high performance martempering oils with excellent aging stability, a wide range of applications, providing a very long service life despite high temperatures as well as high hardening efficiency and very low deformation risk. Suitable for deformation of large diameter and thin-walled parts

TRYOIL TS 70 (POLYMER)

It has been developed to be used in induction flame hardening machines and immersion tanks as well as in quenching processes for annealing steels. It also allows heat treatment with minimum distortion in the hardening of aluminum alloys.

TRYOIL ALCACLEAN MP

Alkaline degreasing blend with enhanced cleaning and solvency power.

TRYOIL SOLBLACK SFX

Diluted with water and used for darkening, bluing of screws, bolts and nuts. It is used by adding 5% to 8% in water at 60-70 °C. Solblack sfx, is easily dilutable in water, forming a milky emulsion that is stable and long life resistant in high temperature too.

■ ELECTRO EROSION

TRYOIL EDM 200

EDM 200 provides a uniform dielectric layer between the electrode and the workpiece in electro-erosion benches, allowing the erosion-causing discharges to be maximum. It is used as a calibration liquid due to its low viscosity.

■ PNEUMATIC SYSTEM OILS

TRYOIL HYDRO C 10

Low viscosity naphthenic base pneumatic circuit lubricator. Protects components against moisture and corrosion.

■ MOLD RELEASE AGENTS

EXTRUSION MOLD RELEASE AGENTS

PLUNGER G 1,5

It is a graphite based paste developed for use in aluminum extrusion presses.

PLUNGER KW800 MAX FLUID

It is a pale colored solution and is a water-based release agent developed for use in aluminum extrusion presses.

HOT FORGING MOLD OILS

KOLUBE DF-150

Hot forged graphite molded oil. Odorless, smokeless, water based mold oil. It is especially effective in difficult mechanical press parts and automatic systems. When applied to the mold, it forms a uniform dry film layer.

KOLUBE KFW 8/880

Hot forging mold oil (transparent-graphite-free). Odorless, smokeless, colorless water based mold oil.

■ TEXTILE MACHINE LUBRICANTS

TRYOIL STRICKOL TEW - 200 LT

Standart performance knitting oil series recommended for lubricating of needle and sinkers in all modern circular and flatbed knitting machines.

TRYOIL TEX HBM OIL

Emulsifiable type coning oil has been formulated from highly refined mineral oil and specially selected premium surface active agents to provide appropriate antistatic property. Coning oil is non-staining, with good emulsion stability and excellent antistatic property with scourable quality. (Especially used in the production of textured, continuous filament nylon and polyester.)



INDUSTRIAL COMPRESSED AIR & GAS SOLUTIONS

TRYOIL STRICKOL TXW - 200 LT

High performance knitting oil series recommended for lubricating of needle and sinkers in all modern circular and flatbed knitting machines.

TRYOIL TEX HM OIL

Emulsifiable type coning oil and has been formulated from highly refined mineral oil and specially selected premium surface active agents to provide appropriate antistatic property. Coning oil is non-staining, with good emulsion stability and excellent antistatic property with scourable quality.

TRYOIL SOLV TEV & TXW

Lubratech solv tev & txw used for cleaning platinum and tables of textile machines and to extend the general maintenance periods.

TRYOIL KTNR-HN

Special solvent fraction, in compliance with FDA and can be used for cleaning all kinds food and textile machines.

■ PISTON OIL

KOLUBE HM 350

Oil-based piston oil is a graphite-free, synthetic oil, newly developed, independent of working conditions, highly efficient. Specially developed for lubrication of pistons of casting machines. It does not pollute the machine environment and prevents local wear.

■ METAL INJECTION MOLD RELEASE AGENTS

DL 110

It is used by diluting with 1/50 – 1/100 ratio water according to the feature of metal injection mold release agent.

DL 170

It is used by diluting with 1/80 – 1/150 water according to the feature of metal injection mold release agent.

■ GREASES AND PASTES

TRYOIL GREASE LI EP NLGI 00-0-1-2-3 VG220/320 (Lithium EP grease)

LUBRATECH GREASE LI EP series are multi-purpose greases with yellow-brown mineral base oil and lithium soap, reinforced with the contribution of extreme pressure (EP) additives. At operating temperatures of -30 to 130 OC, they perform long-term performance even under impact load.

TRYOIL LITHUIM EP 2 MG

It is a high performance grease developed for tough conditions and temperatures with molybdenum and graphite reinforced mineral base oil and lithium complex soap. At operating temperatures from -30 to 160 OC, it provides long-lasting performance even under aqueous, variable, impact and vibrating loads.

TRYOIL LITHIUM COMPLEX EP NLGI 1-2-3 VG320 BLUE

It is a high performance grease developed for tough conditions and temperatures with mineral base oil and lithium complex soap fortified with qualified EP additives. Provides long-lasting performance at operating temperatures between -30 to 160 OC, even under aqueous, variable, impact and vibrating loads

TRYOIL GREASE CSX 800-MSG 1,5-460 (Calcium Sulphonate Complex Grease)

Mineral based high viscosity, molybdenum disulfide (MoS₂) containing calcium sulphonate complex grease. It has been specially developed for use in high temperatures and very heavy loads and has high resistance against water and steam. The operating temperature ranges from -20 to 250 OC and has a high load-bearing capacity (800kg). It has higher mechanical and thermal stability than simple calcium sulphonate greases, drop point >330 OC. It works longer without losing its consistency at low and high temperatures. Friction reduction and load carrying capacity is higher.

TRYOIL CONTIGREASE HT 391-460 (Soapless High Temperature Grease)

It is a mineral base oiled diurea grease that shows long lasting performance at high temperatures. It has a wide service temperature range and can be used in roller bearings up to 180 ° C.

TRYOIL CHISEL PASTE

It is a special paste for lubricating difficult friction points under extreme pressure and at very high temperatures. It is based on fumed silica and high viscosity ISO VG320 mineral oils. It contains specially selected additives that provide a high level of corrosion protection and superior adhesion to the metal surface. The high content of very fine Copper and Graphite powders ensures low wear and long service life. The operating temperature is between -20 and 1100 OC.



INDUSTRIAL COMPRESSED AIR & GAS SOLUTIONS

TRYOIL LITHIUM COMPLEX

EP 2 VG460-620 BLUE

Mineral base oil and special lithium complex soap, grease developed for heavy and severe conditions. It provides excellent protection against rust and corrosion thanks to its antioxidant and anti-corrosion rust inhibitors. Thanks to the high amount of EP additive package composition, it maintains its stability under heavy load and temperatures between -20 and 220 OC. Dropping point > 330 OC, non-dripping. It provides long lasting performance in the system.

TRYOIL LITHIUM COMPLEX

EP 2 VG460 ULTRA MOLY PLUS-620

MoS₂ reinforced mineral base oil and special Lithium complex soap, grease developed for heavy and severe conditions. It provides excellent protection against rust and corrosion thanks to its antioxidant and anti-corrosion rust inhibitors. The combination of molybdenum sulfide and graphite maintains its stability and high performance at heavy loads and operating temperatures from -20 to 220 ° C >320 ° C.

TRYOIL COPPER COMPOUND

High performance anti-seize lubricant. The base oil is smoked silica with mineral oils providing a dropping point higher than 305 OC. It contains very fine copper powder and special polymers providing excellent adhesion to metal surfaces. The operating temperature is between -20 and 1200 OC.

TRYOIL LUBTAC NK 002

(Wire Rope and Open Gear Grease)

It is a special product with high pressure (EP) asphalt based solid which is resistant to high temperatures and heavy working conditions. Formulated with synthetic hydrocarbons, various polymers and special asphalt.

CHAIN OIL W SH 150-680

Chain oil W SH polyalkylene glycol is a synthetic oil used for the lubrication of chains operating at very high temperatures from -25 to 250 ° C. It is a very special product with excellent oxidation resistance, very little deposition, low smoke, very low loss of evaporation and stable viscosity when exposed to heat.

VISCOSITY CLASSIFICATION TABLE

INDUSTRIAL OILS VISCOSITY
ISO VG VISCOSITY CLASSIFICATION

ISO VG VISCOSITY CLASS	KINEMATIC VISCOSITY cSt@40° C Middle Point	KINEMATIC VISCOSITY cSt@40° C	
		MIN.	MAX.
2	2.2	1.98	2.42
3	3.2	2.88	3.52
5	4.6	4.14	5.06
7	6.8	6.12	7.46
10	10	9	11
15	15	13.5	16.5
22	22	19.8	24.2
32	32	29.8	35.2
46	46	41.4	50.6
68	68	61.2	74.8
100	100	90	110
150	150	135	165
220	220	19	242
320	320	8288	352
460	460	414	506
680	680	612	748
1000	1000	900	1100
1500	1500	1350	1650
2200	2200	1980	2420
3200	3200	2880	3520

NLGI CONSISTENCY NUMBER

NLGI NO	WORKED PENETRATION
000	445-475
00	400-430
0	355-385
1	310-340
2	265-296
3	220-250
4	175-205
5	130-160
6	85-115



INDUSTRIAL COMPRESSED AIR & GAS SOLUTIONS

Your vision is our commitment.

Reach out to us today, to explore the great possibilities.

A brand by **ARNIKA**
—COMPANY—

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