

EXOL'S COMPREHENSIVE RANGE OF INDUSTRIAL LUBRICANTS ARE SPECIFICALLY DESIGNED TO MEET CUSTOMERS REQUIREMENTS.



INDUSTRIAL LUBRICANTS

MICRON GP MACHINE OIL

High quality straight paraffinic type mineral oils suitable for most general purpose machine applications. The higher viscosity grades maybe be used for circulating systems, bearing and many gearbox applications, not working under extreme pressure (EP) conditions. Available in **ISO VG5, 10, 15, 22, 32, 46, 68, 100, 150, 220, 320, 460, 680.**

TACHUS SLIDEWAY OIL

A range of machine tool lubricants designed to give optimum performance on slideways and machine beds, thus eliminating the stick slip often associated with poor component surface finish and vibration whilst resisting the problems of wash off by soluble coolants and tramp oil contamination. Available in **ISO VG 32, 46, 68, 100, 150, & 220.**

TROJAN GEAR OIL

A range of heavy duty gear oils for industrial enclosed gear sets with circulation or splash feed lubrication systems. These oils contain a high level of anti-wear, anti-foam properties together with a fully oxidation inhibited extreme pressure additive. Benefits include excellent water shedding, thermal stability, reduced tooth wear and excellent corrosion protection ensuring long service life. Available in **ISO VG 68, 100, 150, 220, 320, 460 & 680.**

CYCLONE HT COMPRESSOR OIL

Designed for high discharge temperature applications possessing excellent oxidation stability and meeting DIN 51506 VD-L requirements. Available in **ISO VG 32, 46, 68, 100 & 150**

CYCLONE 4000 COMPRESSOR OIL

Superior compressor oil which allows for long periods between maintenance. For use in compressors with or without oil injection. **ISO VG 46.**

HYDRAULIC FLUIDS

ULTRAMAX

Ultramax grades are a range of premium quality hydraulic oils designed and developed for use in hydraulic power transmission and hydraulic control systems. This group of hydraulic oils are made from solvent refined, high viscosity index base oils containing a carefully balanced mix of anti-wear, anti-corrosion, anti-oxidant and anti-foam additives.

DIN 51524 PART 2, DIN ISO 6743 PART 4, SPERRY VICKERS M-2950, SPERRY VICKERS I-286-S, US STEEL 127, SEB 181.222, VDMA 24318 AVAILABLE IN ISO VG 3, 5, 10, 22, 32, 46, 68, 100, 150, 220, 320, & 460.

ULTRAMAX MG (MULTI-GRADE)

A high viscosity index (>150) suitable for applications where wide temperature variations may exist or where rationalisation of grades is desired. **DIN 51524 PART 3, DIN ISO 6743 PART 4, DIN 51517 PART 3, FZG > 12. POCLAIN SPEC - MEETS REQUIREMENTS**

ULTRAMAX FR

A fire resistant fluid of the water glycol type (HFC) for use where sources of emissions are likely to present a fire hazard. This type of fluid relies on the water content to aid its fire retardant properties and therefore should be checked regularly. The hydraulic circuit should be specifically designed for this type of fluid. **DIN 51524 PART 2, SPERRY VICKERS I-286-S, AFNOR NFE 48603 (HM)**

ULTRAMAX AF (ZINC FREE)

The Ultramax AF range of zinc free high performance hydraulic oils have been formulated for use in hydraulic systems containing silver plated bearing and machine tool lubrication systems with high tolerance precision plan journal bearings where zinc additives are not approved.

ULTRAMAX AF IS AVAILABLE IN AN EXTENSIVE RANGE OF VISCOSITIES.

ULTRAMAX BD

Fully biodegradable if spilt in an environmentally sensitive location. Very high viscosity index product which may be used as a multigrade over the ISO 32 to ISO 68 range.

BIODEGRADABILITY > 98% (CEC-L-33-T-82)

NEAT CUTTING OILS

EXCELCUT 401 (ISO 22)

A cost effective medium viscosity neat cutting oil suitable for the light to medium machining of ferrous and non ferrous materials especially free cutting bronzes etc. Excelcut 401 is bland in odour and straw in colour.

EXCELCUT 427 (ISO 22)

A medium viscosity neat cutting oil containing chlorinated additives. It is suitable for medium duty machining, milling, tapping, turning and automatic spindle work of mild steels and non ferrous materials. Excelcut 427 is bland in odour and straw in colour.

EXCELCUT 430 (ISO 22)

A medium viscosity neat cutting oil. It is totally chlorine free, an important feature when considering fluid disposal and recycling. It is suitable for medium duty machining, hobbing, threading and tapping, multi-spindle and screw automatic, milling and turning of all tensile steels including stainless and non ferrous metals. Excelscut 430 is bland in odour and straw in colour.

EXCELCUT 432 (ISO 22)

A heavy duty, medium viscosity neat cutting oil containing very high levels of chlorinated and controlled release sulphur additives. It is suitable for heavy duty machining, gear hobbing and shaping, threading and tapping, multi-spindle and screw automatics on mild, medium and high tensile steels, including stainless and non ferrous materials. Excelscut 432 is mild in odour and straw in colour.

EXCELCUT 433 (ISO 10)

A low viscosity neat cutting oil containing very high levels of controlled release sulphurised additives making it suitable for heavy duty machining, deep hole drilling, trepanning, broaching and high speed gear generation of mild, medium and high tensile steels including stainless and non ferrous metals. Excelscut 433 is mild in odour and straw in colour.

EDM FLUID

EXOL EDM S (SYNTHETIC)

Simply the finest EDM fluid available - extremely clean to use with no detectable odour and very resistant to oxidation.

WATER SOLUBLE CUTTING AND GRINDING FLUIDS

HD SYSTEM CLEANER

HD System Cleaner is a highly effective biocidal cleaning agent designed for the sterilisation of machine tools where water-mix metalworking fluids are employed. It is extremely effective at lifting oily residues and swarf from heavily contaminated systems, whilst at the same time killing bacteria and fungal spores.

EXCELGRIND XL

A fully synthetic nitrite free grinding fluid which has excellent fines separation and emulsion longevity. Highly recommended for grinding tungsten carbide due to the low cobalt leaching effect.

EXCELFUID NP

Excelsfluid NP is a cost effective, non EP, milky soluble cutting fluid. It is designed for general purpose machining with good performance in both hard and soft water.

EXCELFUID NPX

General purpose non-staining extreme pressure low odour milky soluble oil. Used for machining a wide range of ferrous and non-ferrous materials including tough steels and aluminium alloys. Non phenolic.

EXCELFUID EP

High technology development of Excelsfluid GP. With the addition of extreme pressure and lubricity additives which enhance the fluids cutting performance. For use on tough alloy steels and non ferrous metals.

EXCELFUID GP

Biostable semi synthetic high dilution, long life, general purpose odourless cutting fluid suitable for use on conventional and CNC machines.

EXCELFUID EPX

An opaque emulsion with excellent biostability and EP performance, suitable for use in both hard and soft water conditions. This product is multi metal compatible and is designed for use on C.N.C. machines and deep hole boring operations.

EXCELFUID AL

Biostable soluble cutting fluid concentrate formulated with a unique blend of fatty esters which gives a superb cutting performance. Designed for use in the machining of the toughest ferrous metals and difficult to machine aluminium alloys. It can be used in applications where neat oil is normally considered.

PRESSING AND METAL FORMING

There are a variety of different pressing and metal forming operations that are carried out in today's modern machine shop. We have a variety of different grades tailor made to suit the appropriate application.

EXCELFORM 909

A very light viscosity forming and stamping lubricant suitable for all materials, containing a mild corrosion inhibitor for post pressing protection. **ISO VG5**

EXCELFORM 911

An extremely heavy duty metal forming and pressing lubricant suitable for use on alloy wheels, stainless and nimonics, can also be used for deep drawing, cold heading, blanking and piercing operations. **ISO VG 105**

QUENCH OILS

Exol Lubricants manufacture a range of thermally and chemically stable quenchers from the basic ISO 22 "normal" speed to "fast" speed grades. Water washable and higher viscosity marquenching grades are also available. A condition monitoring service to enable the best possible use of the quench oils is also available.

EXCELQUENCH 601

A normal speed quench oil for general heat treatment applications. **ISO VG 22**

EXCELQUENCH 602

A semi accelerated quench oil where a faster quench is desired. **ISO VG 22**

EXCELQUENCH 1664

A "hot oil" type quench oil, specially formulated for aerospace treatments.

GREASE

LIBRA EP2

Lithium based high melting point grease, resistant to water and EP treated, this is an excellent general purpose grease. For use in plain journal and rolling element bearing applications.

LIBRA EP2 M

Lithium based grease with Molybdenum Disulphide, ideal for the needs of plant with extended usage.

LITHIUM COMPLEX

A specially developed multi-purpose lubricating grease for all anti-friction and plain bearing applications. This grease has exceptional stability performance over a wide, elevated temperature range.

ANCILLARY PRODUCTS

RUST PREVENTATIVES

Rust and corrosion are two of industries biggest opponents. Corrosion can result in falling equipment, increased power consumption, and manufactured components that cannot be sold or need to be re-worked. All this can be avoided by the use of the appropriate Exceguard rust preventative. Exol offers a variety of grades to suit a variety of requirements in rust protection.

PROCESS OILS

Exol Lubricants offer a range of "straight" general purpose, non additive treated paraffinic process oils. They have excellent thermally and chemical stability and may be used in a variety of applications. ISO 10 - 1000 grades are currently available.

EXCELFUID EP LIQUID & EXCELFUID EP PASTE

Heavy duty extreme pressure lubricant in fluid and paste form for use on toughest drilling and tapping operations.

THERME HT HEAT TRANSFER OILS

The Therme HT range is suitable for use in heat transfer systems using transfer temperatures up to 320 C (dependent on grade chosen and system design). The Therme range features a very high, long term thermal stability but as with all fluids working at high temperatures it is recommended that regular monitoring checks are carried out to obtain optimum fluid and system efficiency. Available in ISO VG 22, 32, 68 & 100.

EXCELMOULD RELEASE OILS

A range of neat and water emulsion release agents for use in all types of concrete moulding operations.

EXOLDRY OIL ABSORBENT GRANULES

Granules which quickly absorb any spill oil and can be easily removed for disposal.

AEROSOLS

Brake & Clutch Cleaner, Target Multi-Purpose, Gear & Chain, Degreaser, Belt Dressing, Cut & Tap, Food Safe, Super Grease, Silicone spray.

FULL DETAILS ON THESE HIGHLY ADVANCED PRODUCTS AND DATA SHEETS ARE AVAILABLE FROM THE TECHNICAL SERVICES DEPARTMENT ON REQUEST.