

# excellence in lubricants

Automotive - Commercial - Agricultural - Industrial



# EXCELLENCE IN LUBRICANTS

exol Lubricants is the largest independent lubricants company in the UK. Manufacturing and supplying a range of lubricants and associated products to the automotive, commercial, agricultural & industrial sectors.

**exol Lubricants is committed to total quality management from design to production, distribution and customer support.**

Throughout the company's history, product development has been at the forefront of lubrication technology.

A comprehensive range of products has evolved through anticipating and exceeding the needs of the lubricant market. This kind of focus has inevitably led to strategic development of home and export markets. Trading is now carried out world wide throughout a network of agents and distributors.

exol Lubricants has a reputation for high quality products, flexible service, fast delivery and outstanding technical support.

Manufacturing and supplying products from our two sites in Birmingham and Rotherham. Research and development are based at our headquarters in the Midlands, close to the heart of the UK motorway network.



**exol's** continuing **commitment** to producing **high quality** oils for all different applications means you get maximum **performance** and **quality** - guaranteed!



## AUTOMOTIVE

**EXOL LUBRICANTS IS THE LARGEST INDEPENDENT  
LUBRICANTS COMPANY IN THE UK.**

Conscious of the ever increasing demands placed upon lubricants by modern automotive power units, exol have developed a complete range of fully synthetic, semi synthetic and mineral oil based engine oils to meet the very latest specifications, world wide. exol engine oils are designed to give maximum protection to all types of petrol, diesel and mixed fleet applications, whether latest technology or vintage designs. They provide lubrication over a wide temperature range with excellent cold starting properties as well as efficient lubrication at the elevated running temperatures achieved by many of today's high performance engines. Other benefits afforded include superior engine cleanliness, reduced wear and oil consumption, compatibility with catalytic convertors and low levels of emission. The exol automotive product range is complimented by the availability of a comprehensive range of gear and transmission oils, suspension fluids, greases, antifreeze and other ancillary automotive products.



# COMMERCIAL

**EXOL LUBRICANTS IS THE LARGEST INDEPENDENT  
LUBRICANTS COMPANY IN THE UK.**

The combination of ever increasing demands of the transport and plant industries and advanced engine technology has emphasised the need for lubricants at the leading edge of performance. In response to this, exol have developed a facility to manufacture lubricants to satisfy not only todays applications but also the engines of tomorrow.

Whatever the nature and mix of your fleet and equipment exol can supply products ranging from basic lubricants through to highly advanced formulations designed to meet the latest American Petroleum Institute (A.P.I) standard and those required by European Automobile Manufacturers (A.C.E.A).

Together with specialised gear, transmission oils and greases, exol are able to meet  
all customer requirements



# AGRICULTURAL

**EXOL LUBRICANTS IS THE LARGEST INDEPENDENT  
LUBRICANTS COMPANY IN THE UK.**

The highly developed agricultural machinery in use in today's intensive farming environment, needs the specialised protection afforded by the exol range of agricultural lubricants. The exol agricultural product range has been developed to satisfy the requirements of the latest specialised tractor units through to older types of farming machinery and ancillary equipment, including milking machines, chain saws, stationary engines and hydraulically operated plant.

In addition to numerous ancillary products, exol also provide an extensive range of environmentally friendly, fully biodegradable lubricants for use in sensitive areas where spillage of conventional lubricants could cause serious pollution of land and waterways.



# INDUSTRIAL

**EXOL LUBRICANTS IS THE LARGEST INDEPENDENT  
LUBRICANTS COMPANY IN THE UK.**

exol's extensive industrial product range has been designed to cover all aspects of industrial plant, workshop, machine shop and production unit requirements ranging from basic lubricating oils through to high technology metal cutting, forming and spark erosion fluids. The range of exol products for the machine shop are particularly comprehensive and include neat cutting oils, water soluble fluids (both conventional and semi synthetic) slideway oils and headstock oils.

In addition to the standard industrial products and greases in the range exol can also customise industrial and process oils to customers requirements, many other specialist products are also readily available from exol's technical service department.



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

### ENGINE OILS

The exol range of automotive products are formulated to give the following benefits-

- EXCELLENT LUBRICATION OVER A WIDE TEMPERATURE RANGE
- EASE OF COLD START COMBINED WITH RAPID CIRCULATION
- REDUCED WEAR AND OIL CONSUMPTION
- HIGH LEVEL OF ENGINE CLEANLINESS
- LOWER EMISSIONS
- COMPATIBLE WITH CATALYTIC CONVERTERS
- PROTECTION FROM COMBUSTION CONTAMINANTS

### PREMIUM SYNTHETIC GRADES

#### Optima LSV 5W/30 (FULLY SYNTHETIC)

Optima LSV 5W/30 is a fully synthetic 5W/30 low SAPS multigrade oil designed for use in Audi and VW passenger cars essentially where a VW 504.00 or VW 507.00 oil is called for. Optima LSV 5W/30 is backwards compatible with certain other VW specifications and you are encouraged to call our technical help line for advice on this issue.

**ACEA A3, B4, VW 504.00 & 507.00**

#### OPTIMA LSM 5W/30 (FULLY SYNTHETIC)

This is a fully synthetic long life low SAPS oil meeting the very latest BMW Longlife and Daimler Chrysler specifications. The new revolutionary additive system prolongs the life of today's complex emissions systems and helps reduce harmful emissions to the environment.

**API SM, ACEA A3/B4-04 C3-04 A3/B4-02, BMW LONGLIFE-04, MB 229.31**

#### OPTIMA VIMAX 0W/30 (FULLY SYNTHETIC)

Fully synthetic top tier passenger car motor oils designed to meet the exacting demands of to-days modern petrol and diesel car engines. Suitable for high performance turbo-charged, and supercharged petrol and diesel multi-valve engines found in passenger cars, and light vans.

**API SL/CF, ACEA A3, B3, B4, VW 502, 503.01, 505, MB 229.1, 229.3, BMW Longlife Spec**

#### OPTIMA VIMAX 5W/40 (FULLY SYNTHETIC)

Fully synthetic highly advanced lubricant formulated to cope with the extreme lubrication demands of high performance, high speed petrol and diesel engines. Optima Vimax 5W/40 meets the lubrication requirements of the latest European passenger cars fitted with high output lean burn engines.

**A.C.E.A. A3, B3, B4, A.P.I. SL/CF, VW 505, MB 229.1 CMCC G5/PD2, MEETS THE PERFORMANCE STANDARDS OF MERCEDES BENZ, ROVER, RENAULT, FORD, FIAT, VAUXHALL, TOYOTA, NISSAN, PORSCHE, BMW ETC.**

#### OPTIMA VIMAX 10W/40 (SEMI SYNTHETIC)

Semi synthetic fuel efficient multi-grade engine oil for use in latest technology turbo-charged and naturally aspirated diesel and petrol engines requiring the latest A.C.E.A. and A.P.I. specifications. Also recommended for use in L.P.G. powered systems.

**A.C.E.A. A3, B3, B4, A.P.I. SL/CH4, VW 505, MB229.1, MEETS THE PERFORMANCE STANDARDS OF ROVER AND BMW**

#### OPTIMA VIMAX DIESEL 10W/40 (SEMI SYNTHETIC)

Semi synthetic fuel efficient multi grade engine oil for use in latest technology turbo charged and naturally aspirated diesel and petrol engines requiring the latest A.C.E.A. and A.P.I. specifications. Also recommended for use in LPG powered systems.

**A.C.E.A. A3, B3, B4, A.P.I. CH4/SL, MB 229.1, VW 505**

#### OPTIMA VIMAX ZT 5W/30 (SEMI SYNTHETIC)

High technology semi-synthetic engine oil formulated from severely refined base oil combined with a high level of synthetic components to give outstanding performance under the most arduous conditions.

Optima Vimax ZT 5w/30 provides the vast majority of the advantages of a fully synthetic lubricant. This product is recommended for use in Ford Zetec engines.

**A.C.E.A. A1, B1, A.P.I. SL/CF, FORD WSS M2C912-A1, FORD WSS M2C913-A, M2C913-B, ILSAC GF-2**

#### OPTIMA VIMAX LL 5W30

Optima Vimax LL 5W30 is a high performance, fully synthetic multigrade engine oil formulated to meet the long life requirements demanded by GM and Opel. This grade sets new standards with regard to engine cleanliness, reducing harmful emissions and thus damage to the environment. Optima Vimax LL 5W30 offers high fuel economy and provides unrivalled protection for modern TD and turbocharged engines.

**API SL/CF SM/CF, ACEA A3/B4-04, A5/B5-04, VW 502.00 505.00, MB 229.3, GM LL-A025, LL-B-025, BMW LONGLIFE - 01 LONGLIFE - 98.**

### PREMIUM MINERAL GRADES

#### VANGUARD RALLY

One of a small number of lubricants which can be used in a very wide range of highly advanced petrol and diesel, naturally aspirated and turbo-charged engines fitted to passenger cars, light commercial and heavy haulage vehicles making it ideal for mixed fleet operations. Available in four viscosity grades this range is a highly shear stable engine oil of outstanding performance.

S.A.E. VISCOSITY	10W/30	10W/40
	15W/40	20W/50

**A.C.E.A. A3, B3, B4, E2, A.P.I. SL/CH4, MERCEDES BENZ 228.1 & 229.1 MAN 271, VOLVO VDS, VW 505.**

#### VANGUARD DIESEL 15W/40

Primarily for use in highly advanced diesel, naturally aspirated and turbo-charged engines fitted to passenger cars, light commercial and heavy haulage vehicles making it ideal for mixed fleet operations. This grade is a highly shear stable engine oil of outstanding performance.

**A.C.E.A. A3, B3, B4, E2, A.P.I. CH4/SL, MERCEDES BENZ 228.1 & 229.1 MAN 271, VOLVO VDS, VW 505.**

## ENDURANCE 15W/40

Endurance 15W/40 has been designed to meet the specification requirements of the latest turbo charged and naturally aspirated diesel and petrol engines and is recommended for use in transport fleets, public service vehicles, plant equipment, light to heavy duty commercial vehicles and passenger cars.

**A.P.I. CG-4/CF, ACEA: A3, B2, B3, E2 VW 501 & 505, MB 228.1, 229.1, MACK E0-M, MAN 271, MTU Category 1, Volvo VDS**

## PERFORMANCE PLUS

Performance Plus is available in three viscosity grades and has been designed for use in turbo-charged and naturally aspirated diesel engines and petrol engines requiring A.P.I. specification oils. Performance Plus has been formulated from solvent refined base oils with a balance of high technology additives making this product ideal for mixed fleet operations.

**S.A.E. VISCOSITY 15W/40 15W/50 10W/40  
A.P.I. SG/CF4, CCMC G3/PD2, VW 505, MIL-L-2104E, ALLISON C3**

## PERFORMANCE TURBO DIESEL 15W/40

Performance Turbo Diesel has been designed for use in turbo-charged and naturally aspirated diesel engines and petrol engines requiring A.P.I. specification oils. Formulated from solvent refined base oils with a balance of high technology additives.

**A.P.I. CF4/SG, CCMC G3/PD2, VW 505, MIL-L-2104E, ALLISON C3**

## ECONOMY GRADES

### VICTORY MIXED FLEET 15W/40

An economy mixed fleet oil suitable for older turbo charged, naturally aspirated diesel and petrol engine top-up duties.

**A.P.I. CD/SF MIL-L-2104C, MIL-L-45199B,  
CCMC G2/D2 CATERPILLER SERIES 3, ALLISON C3**

### CLASSIC RANGE

Multi grade and mono grade low additive level oils, suitable for older non turbo charged vehicles.

**S.A.E. VISCOSITY 10W 20W 30W 40W 50W  
10W/40 15W/40 20W/50**

**A.P.I. CC/SE MIL-L-2104B, MIL-L-46152B**

## TWO STROKE OILS

### TWO STROKE OIL

Two stroke engine oil formulated from top quality mineral oil and specially selected additives to ensure the thermal stability, anti-wear properties, engine cleanliness and protection against corrosion of bearings and cylinders demanded of a modern two stroke oil. Meets the following international specifications, **API TC, TSC-3**

## SUPER TWO STROKE (SEMI-SYNTHETIC)

A specially formulated, synthetic based two-stroke spark ignition gasoline lubricant. Super Two Stroke has been specially formulated from the latest additive technology and synthetic components in order to meet the complex and severe demands laid down by JASO and ISO-L-EGD specifications. It is suitable in motorcycles of medium to high output but can be used in a variety of two stroke applications such as, mopeds, motor scooters, chainsaws, generators, lawn mowers, snowmobiles and cutters. **JASO FC, ISO E-GD**

## OPTIMA RACING TWO STROKE OIL (SYNTHETIC)

Optima Racing two stroke oil has been designed to give maximum protection to air cooled two stroke engines working under high speed and severe loading conditions where a superior two stroke oil is required. Recommended for use in competition motorcycles and a variety of two stroke applications such as mopeds motor scooters and chainsaws. It is suitable for pre mix and oil injection systems. **API TD, TC-W3**

## TRANSMISSION OILS

### ATHENA EP 80W, 90, 80W/90, 85W/140

Mono grade and multi-grade extreme pressure gear oils for use in moderate load gear boxes and final drives. **A.P.I. GL4, MIL-L-2105.**

### ATHENA HD 75W/80, 75W/90, 80W/90, 85W/140, 80W, 90

Multi-grade and mono grade high extreme pressure gearbox and final drive lubricants for use in high load, heavy duty applications.

**A.P.I. GL5, MIL-L-2105D**

### ATHENA LS90

Specially formulated lubricant for use in LIMITED SLIP DIFFERENTIALS fitted to high performance cars and four wheel drive vehicles.

**A.P.I. GL5**

### SYNGEAR 75W/90 SS (SEMI SYNTHETIC)

A high performance multi-grade hypoid gear lubricant whose semi synthetic base combats difficult gear selection when cold and provides excellent film strength at elevated temperatures. Formulated to meet the demands of modern manually operated five speed boxes. **A.P.I. GL5, MIL-L-2105D**

### AUTOTRANS TYPE G

Automatic transmission fluid meeting

**FORD M2C 33G SPECIFICATION**

### AUTOTRANS UNIVERSAL

Versatile multi functional automatic transmission fluid meeting

**GENERAL MOTORS DEXRON III<sup>®</sup> D, GENERAL MOTORS DEXRON III<sup>®</sup>, FORD MERCON, ALLISON C4, FORD MERCON, ALLISON C4, CATERPILLER TO-2 REQUIREMENTS, FORD M2C138-CJ, M2C166-H, MEETS THE REQUIREMENTS OF ZF TE ML 09, 11 AND 14.**

### AUTOTRANS DEXRON III (SEMI SYNTHETIC)

Very high quality automatic transmission fluid formulated from solvent refined base oil and specially selected high technology additives to provide the correct frictional qualities demanded by modern automatic transmissions. **GENERAL MOTORS DEXRON III<sup>®</sup>, FORD MERCON, ALLISON C4**

## GREASE

### LIBRA EP2

General purpose Lithium based high melting point grease, resistant to water and fortified with extreme pressure additives.

### LIBRA EP2M

Lithium based grease containing Molybdenum Disulphide, ideal for use on equipment working under harsh conditions, suitable for use in constant velocity joints.

### 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 RANGE

### LHM FLUID

Specially formulated from solvent refined base oil, polyalkyl methacrylate and anti oxidants for use in central hydraulic and braking systems for vehicles requiring a mineral oil based product, e.g. Citroen.

### FLUSHING OIL

Light mineral oil used to flush engines and gear boxes prior to oil change, removes combustion residue and sludge.

### RUNNING IN OIL

Specially formulated for use in running in operations on diesel and petrol engines including turbo-charged diesels under light service conditions.

### DELTA DEGREASER

Delta is a self emulsifying degreasant used for cleaning component parts, engine blocks and workshop floors.

### FLEETWASH

Fleetwash is based on the latest raw materials and technology from Scandinavia making the product environmentally friendly. It also includes a gloss rinse agent, which aids in the removal of surface water. Its strong cleaning power works well with both hot and cold water at low and high dilutions.

### COPPER THREAD COMPOUND

Lead free, copper based anti seize compound for use on threaded connections, linkages and slow moving bearings exposed to environmental and chemical contamination. High resistance to salt water ingress.

### BRAKE FLUID

A universal brake and clutch fluid to specification DOT 4 -SAE J1703F this product can be mixed with other fluids conforming to equivalent standards.

### ANTIFREEZE AND SUMMER COOLANTS

Universal antifreeze which meets BS6580 standard and provides year round protection to cooling systems of cast iron and alloy engines.

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



# COMMERCIAL

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



### ENGINE OILS

The exol lubricants range of transport and plant engine oils are formulated from the highest quality synthetic and mineral oils combined with the latest technology additives to provide maximum protection for diesel and petrol engines including turbo-charged working in the most arduous conditions and limits of performance.

Selection of the correct engine oils in line with the manufacturers recommendations and service requirements will give the following benefits.

- EXTENDED DRAIN PERIODS
- FUEL EFFICIENCY
- REDUCED WEAR
- PROTECTION FROM COMBUSTION CONTAMINANTS
- EASE OF COLD START COMBINED WITH RAPID CIRCULATION
- LOW EMISSIONS
- HIGH LEVEL OF ENGINE CLEANLINESS

### PREMIUM HPD GRADES

#### TAURUS EURO 4 10W/40 (FULLY SYNTHETIC)

Taurus Euro 4 10W/40 is a fully synthetic revolutionary heavy duty diesel engine oil designed specifically for new HGV's where low SAPS technology is required to satisfy the latest Euro 4 and 5 low emission requirements. It affords fleet operators the luxury of running their new vehicles to maximum oil drain intervals.

**A.C.E.A. E6-04, E4-99 (ISSUE 3), MB 228.5 & 228.51, MAN 3277 & 3477, RVI RXD, MTU TYPE 3**

#### TAURUS UHPD 5W/30 (FULLY SYNTHETIC)

Taurus UHPD 5W/30 is an ultra high performance fully synthetic diesel engine oil designed specifically to meet the challenge of the most severe lubrication requirements of the latest European heavy duty diesel engines, particularly the low emission Euro-2 and Euro-3 engines running under the extreme demands of significantly reduced regulatory emission parameters and extended oil change periods. Taurus UHPD 5W/30 is formulated from synthetic base stocks and approved performance additives which offer excellent thermal stability, low volatility, consistently efficient long life performance and excellent fuel efficiency capabilities, offering significant saving in fuel consumption thereby reducing operating costs.

**A.R.L. CH-4, MACK T-9, A.C.E.A. E4, VOLVO VDS-2, MB228.5 SCANIA LDE, MAN M3277, MTU TYPE 3, MACK EO-L**

#### TAURUS XHPD 10W/40 (SEMI SYNTHETIC)

Taurus XHPD 10W/40 has been developed to meet the severe duty requirements of turbo charged diesel vehicles operating under extended drain conditions, as specified by the engine manufacturer. Taurus XHPD 10W/40 provides economy with excellent performance and enhances vehicle utilisation, due to reduced down time.

Taurus XHPD 10W/40 has been formulated from special synthetic base stocks and high viscosity index solvent refined mineral oils plus latest technology additives all combining to create an engine oil capable of the 100,000 kms criteria (subject to operational duty) which has now been established in European and U.S.A. trials, combined with fuel efficiency and low emission performance.

**A.C.E.A. E4, A.R.L. CH4, MB 228.5 MAN M3277, MACK EO-L & T9, VOLVO VDS-2, MTU TYPE 3.**

#### TAURUS SHPD E7 15W/40

Taurus SHPD E7 15W/40 is the very latest, new generation "Super High Performance" heavy duty diesel engine oil formulated to meet the most severe lubrication requirements demanded by Mercedes Benz, Cummins and Scania. It has been formulated to meet the critical demands of Euro 4.

**API CI-4/SL, ACEA E7/E5/E3/B4/B3/A3, MERCEDES BENZ 228.3, 229.1, CUMMINS 20071/72/76/77/78, MAN M 3275, MTU TYPE 2, MACK EO-M+ VOLVO VDS-3, RENAULT RVI RLD-2 GLOBAL DHD-1, ZF TE-ML 07C / 04C, CATERPILLAR ECF 1**

#### TAURUS SHPD E5 15W/40

Taurus SHPD E5 15W/40 is a new generation "Super High Performance" heavy duty diesel engine oil formulated to meet the most severe lubrication requirements of the Euro 2 and 3 engine parameters. It is recommended by Mercedes Benz and Cummins and should be the first choice for all European trucks and buses used for inter city or long haul applications. It is particularly suited for Cummins engines where piston cleanliness, oxidation and wear and emissions are finely controlled.

**A.C.E.A. E5, E3, B4, B3, A2, API CH-4/SL, MB 228.3, CUMMINS 20071/72/76/77, VOLVO VDS TYPE 3, MACK EO-M+, RENAULT RVI RLD, GLOBAL DHD-1, MTU TYPE 2, MAN M3275**

#### TAURUS SHPD E3 15W/40

Taurus SHPD has been formulated to meet the latest, demanding European engine manufacturers specifications for turbo charged and naturally aspirated diesel engines working under the most severe conditions and requiring extended drain facilities of up to 60,000 km depending on operating conditions.

**A.C.E.A. A3, B3, B4, E3, A.P.J. CH4/SL, MB 228.3, 229.1, MAN M3275, VOLVO VDS-2.**

### DIESEL GRADES

#### OPTIMA VIMAX DIESEL 10W/40 (SEMI SYNTHETIC)

Semi synthetic fuel efficient multi-grade engine oil for use in latest technology turbo-charged and naturally aspirated diesel and petrol engines requiring the latest A.C.E.A. and A.P.J. specifications. Also recommended for use in L.P.G. powered systems.

**A.C.E.A. A3, B3, B4, A.P.J. CH4/SL, MB 229.1 VW 505,**

#### VANGUARD DIESEL 15W/40

Primarily for use in highly advanced diesel naturally aspirated and turbo-charged engines fitted to passenger cars, light commercial and heavy haulage vehicles. Vanguard Diesel is a highly shear stable engine oil of outstanding performance. May also be used for petrol engines.

**A.C.E.A. A3, B3, B4, E2, A.P.J. CH4/SL, MB 228.1, 229.1 MAN 271, VOLVO VDS, VW 505, MACK EO-L, MTU TYPE 1.**

#### PERFORMANCE PLUS TURBO DIESEL 15W/40

Designed for use in turbo-charged and naturally aspirated diesel engines. Formulated from highly refined base oils with a balance of the latest additive technology makes Performance Plus the ideal choice for mixed fleet operations. May also be used for petrol engines.

**A.P.J. CF4/SG, CCMC G3/PD2 VW 505, MIL-L-2104E, ALLISON C3,**

## MIXED FLEET GRADES

### VANGUARD RALLY

One of a small number of lubricants which can be used in a very wide range of highly advanced petrol and diesel naturally aspirated and turbo-charged engines fitted to passenger cars, light commercial and heavy haulage vehicles making it ideal for mixed fleet operation. Available in four viscosity grades Vanguard Rally is a highly shear stable engine oil of outstanding performance. **S.A.E. VISCOSITY 10W/30 10W/40 15W/40 20W/50**  
**A.C.E.A. A3, B3, B4, C2, A.P.I. CH4/SL, MB 228.1, 229.1, MAN 271, VOLVO VDS, VW 505, MACK EO-L, MTU TYPE 1.**

### ENDURANCE 15W/40

Endurance 15W/40 has been designed to meet the specification requirements of the latest turbo charged and naturally aspirated diesel and petrol engines and is recommended for use in transport fleets, public service vehicles, plant equipment, light to heavy duty commercial vehicles and passenger cars. **A.R.I. CG-4/SJ, ACEA: A3, B2, B3, E2 VW 501 & 505, MB 228.1, 229.1, MACK EO-M, MAN 271, MTU Category 1, Volvo VDS**

### PERFORMANCE PLUS

Designed for use in turbo-charged and naturally aspirated diesel engines and petrol engines requiring an A.P.I. CF-4 or SC type oil. Formulated from highly refined base oils with a balance of the latest additive technology makes Performance Plus the ideal choice for mixed fleet operations. Performance Plus is available in the following multi-grade viscosities. **S.A.E. VISCOSITY 15W/40 15W/50 10W/40**  
**A.R.I. SG/CF4, CCMC G3/PD2, VW 505. MIL-L-21046, ALLISON C3.**

## MONOGRADE OILS

### VICTORY MONOGRADE RANGE

Monograde lubricants containing detergent and anti-wear additives designed to cope with the demands of normally aspirated & turbo-charged diesel & petrol engines. Victory mono-grades also meet the requirements of hydraulic and transmission systems. Victory monograde is available in six viscosity grades.

**S.A.E. VISCOSITY 10W 20W 20W/20 30W 40W 50W A.P.I. CD-SF, CCMC G2/D2, ALLISON C3, MIL-L-21046, Caterpillar Series 3**

### CLASSIC MONOGRADE RANGE

The Classic monograde series is a range of monograde diesel oils for use in non-turbo charged vehicles and items of small plant where a moderate level of performance is required.

**A.R.I. CG/SE MIL-L-21048 MIL-L-46152B, CCMC D1.**

## GEAR & TRANSMISSION OILS

### ATHENA SAE 80W, 90, 140

Monograde gear oils free from extreme pressure additives for use where sensitive metals are employed in gear box design. As required in certain Volvo and ZF applications. **A.R.I. GL1.**

### AUTOTRANS UNIVERSAL

Versatile multi functional automatic transmission fluid meeting **GENERAL MOTORS DEXRON II® D & GENERAL MOTORS DEXRON III®, FORD MERCON, ALLISON C4, FORD MERCON, ALLISON C4, CATERPILLAR TO-2 REQUIREMENTS, FORD M2C138-CJ, M2C166-H. MEETS THE REQUIREMENTS OF ZF TE ML 09, 11 AND 14.**

### AUTOTRANS DEXRON III (SEMI SYNTHETIC)

Very high quality automatic transmission fluid formulated from solvent refined base oil and specially selected high technology additives to provide the correct frictional qualities demanded by modern automatic transmissions. **GENERAL MOTORS DEXRON III®, FORD MERCON, ALLISON C4**

### SYNGEAR 75W/90

Syngear 75W/90 Gear Oil is manufactured from high quality synthetic base stocks, which have a high viscosity index, and a combination of performance additives, which provide a gear lubricant designed for today's transport conditions. It demonstrates outstanding load carrying capacity, which is essential for Shock/Load, High/Torque and High/Speed service operation. Many commercial manufacturers are recommending the use of synthetic based fluids. Extended product life, reduced component failure and lower fuel consumption far outweigh the cost of fully synthetic products **API GL 5, MIL-L-2105D.**

### ATHENA EP GEAR OILS 80W, 90, 80W/90, 85W/140

Extreme pressure monograde and multi-grade gear oils for use in a wide range of automotive transmissions operating under low to medium conditions. **A.R.I. GL4 MIL-L-2105.**

### ATHENA HD GEAR OILS 75W/80, 80W/90, 85W/140, 80W, 90W, 140W.

High load carrying extreme pressure multi-grade and monograde gear oils for use in final drives and gearboxes. **A.R.I. GL5, MIL-L-2105D.**

### TRANSMISSION TO-4 10W AND TO-4 30 W

Specially formulated, high technology product designed to meet the demanding friction wear and elastomer compatibility requirements of Caterpillar and Ingersoll Rand TO-4 Transmission and Drive Train specification. Also available in an SAE 50 viscosity for high ambient temperatures and severe duty operations. **CAT TO-4, ALLISON C4, ZF TE - ML01.03, KOMATSU MICRO CLUTCH.**

## HYDRAULIC OILS

### ULTRAMAX 22, 32, 46, 68, 100

A range of premium quality hydraulic oils for heavy duty applications. Containing anti-oxidant, anti-foam, anti-rust and a high level of anti-wear additives. **DIN 51524 PART 2, DIN ISO 6743 PART 4, SPERRY VICKERS M2950, SPERRY VICKERS I-2865-5**

### ULTRAMAX MG32, MG46

High viscosity index hydraulic fluids with multi-grade characteristics. The ISO 46 viscosity is suitable for use in Poclain equipment. **DIN 51524 PART 2, DIN ISO 6743, 6743 PART 4, DIN 51517 PART 3, FZG - 12.**

## 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 Polybdenum 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.

### VO FLOW

A premium red calcium semi-fluid grease. The perfect choice for "Autolube" chassis lubrication systems.

### FIFTH WHEEL GREASE

A quality adhesive grease with extra lubricity given by added graphite. Suitable for fifth wheel lubrication.

### LIBRA ODEP / LIBRA ODOEP

Semi fluid lithium based grease recommended for use in closed systems incorporating spur, worm, helical and bevel gears as fitted to power harrows and mowers.

### COPPER THREAD COMPOUND

Lead free, copper based anti seize compound for use on threaded connections, linkages, and slow moving bearings exposed to environmental and chemical contamination. High resistance to salt water ingress.

## ANCILLARY PRODUCTS

### BRAKE FLUID

A universal brake and clutch fluid to specification DOT 4 -SAE J1703F this product can be mixed with other fluids conforming to equivalent standards

### ANTIFREEZE AND SUMMER COOLANT

Universal antifreeze which meets BS6580 standard and provides year round protection to cooling systems of cast iron and alloy engines.

### FLUSHING OIL

Light mineral oil used to flush engines and gear boxes prior to oil change, removes combustion residue and sludge.

### RUNNING IN OIL

Specially formulated for use in running in operations on diesel and petrol engines including turbo-charged diesels under light service conditions.

### DELTA DEGREASER

Delta is a self emulsifying degreasant used for cleaning component parts, engine blocks and workshop floors.

### FLEETWASH

Fleetwash is based on the latest raw materials and technology from Scandinavia making the product environmentally friendly. It also includes a glass rinse agent, which aids in the removal of surface water. Its strong cleaning power works well with both hot and cold water at low and high dilutions.

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

## EXOL'S COMPREHENSIVE RANGE OF AGRICULTURAL PRODUCTS ARE SPECIFICALLY DESIGNED TO MEET CUSTOMERS REQUIREMENTS.



### HARVEST UNIVERSAL TRACTOR OILS

#### HARVEST ULTRAFARM 10W/30

Harvest Ultrafarm is a high quality multi purpose lubricant designed for use in a very wide range of agricultural machinery, requiring advanced technology, high specification products. The use of this product enables the farmer to reduce lubricant stocks to a minimum.

Harvest Ultrafarm can be used in the majority of agricultural naturally aspirated and turbo-charged diesel engines (depending on viscosity requirements) and petrol engines, hydraulic systems, transmission, final drives and oil immersed brake systems where it is particularly effective in reducing noise (anti squawk). Harvest Ultrafarm may be used where the following specifications are quoted:

**A.PJ CF-4/SE, (CH4 soot levels only) A.C.E.A E-2, (E7, soot, wear & piston cleanliness) JD J20A/B/C&D and J27, MF 1135, 1139, 1143 & 1144, JI CASE, MS1207, FORD M2C 134D, 159B, MB 228.1, CCMC D4, A.R.I. GL4.**

#### HARVEST MASTERFARM 15W/30

Harvest Masterfarm has been formulated for use in a wide range of agricultural machinery, requiring advanced technology, high specification products. Harvest Masterfarm is available in 10W/30 and 15W/30 multi-grade to suit manufacturers requirements and operating temperatures.

Harvest Masterfarm can be used in a wide range of agricultural naturally aspirated and turbo charged diesel engines (depending on viscosity requirements) and petrol engines, hydraulic systems, transmissions, final drives and oil immersed brake systems.

**A.P.J. CE/SE, MF1135, MF1139, MF M1137, 1139 FORD M2C159A&B, M2C134B&C, 121B, 86A, 48B, 41B, A.P.J. GL-4, JI CASE MS1206, 1207, ZF TE ML 05/06/07, ALLISON C4, CAT TO-2.**

#### HARVEST U.T.T.O. ( UNIVERSAL TRACTOR TRANSMISSION OIL)

Harvest U.T.T.O. has been formulated to meet the latest requirements and specifications for modern tractor transmissions including electronically actuated, oil immersed and hydraulic systems operating under the most demanding and severe load conditions. Harvest U.T.T.O. Transmission Oil is not suitable for use in engines.

**JI CASE MS, 1205, 1206, 1207, 1210, 86, JD20 C&D, FORD M2C86 A/B/C/D & 134D, MF M1135, M1141, M1143, ALLISON C3 & C4. CATERPILLAR TO-2.**

### ENGINE OILS

#### TAURUS SHPD E7 15W40

Over the last several years there has been a noticeable move from one universal oil in agricultural tractors (the STOU) to a dedicated engine oil and a dedicated "back-end" or universal tractor transmission oil (UTTO). This has been due in part to the increase in the size and power of modern tractors engines. John Deere has been the market leader in this area and many other OEM's such as Claas, New Holland and Renault have followed. Now an SHPD 15W40 (or even a 10W30) meeting ACEA E5 or E7 is the order of the day. **A.P.J. CH-4/CC-4/SL, ACEA E7/ES/E3/B4/B3/A3, MERCEDES BENZ 228.3 & 228.1, CUMMINS 20071/73/76/77/78, MAN M3275, MTU TYPE 2, MACK EO-M+, VOLVO VDS-3, RENAULT RVI RL-D-2, GLOBAL GND-1, ZF TE-ML 07C/04C, CATERPILLAR ECF 1.**

#### VANGUARD DIESEL 15W/40

Primarily for use in highly advanced diesel, naturally aspirated and turbo-charged engines fitted to tractors, passenger cars, light & heavy haulage vehicles making it ideal for mixed fleet operations. This grade is a highly sheer stable grade of outstanding performance.

**ACEA A3, B3 B4, E2, API CH-4/SL, MERCEDES BENZ 228.1 & 229.1, MAN271, VOLVO VDS, VW 505, ALLISON C4**

#### PERFORMANCE PLUS

Designed for use in turbo-charged and naturally aspirated diesel engines and petrol engines requiring an A.R.I. 5G type oil. Formulated from highly refined base oils with a balance of the latest additive technology makes Performance Plus the ideal choice for mixed fleet applications.

**S.A.E. VISCOSITY 10W/40 15W/40 15W/50  
A.R.I. CF4/S G PD-2 VW 505, CCMC G3/PD2, ALLISON C3, MIL-L-2104E**

#### OPTIMA VIMAX 10W/40 (SEMI SYNTHETIC)

Semi synthetic fuel efficient multi-grade engine oil for use in latest technology turbo-charged and naturally aspirated diesel and petrol engines requiring the latest A.C.E.A. and A.R.I. specifications. Also recommended for use in L.P.G. powered systems and rough terrain four wheel drive vehicles. **ACEA, A3, B3, B4, A.P.J. SL/CH-4, VW 505, MB229.1, MEETS THE PERFORMANCE REQUIREMENTS OF ROVER AND BMW.**

#### CLASSIC HD - MONOGRADE

Monograde Engine oil formulated for use in naturally aspirated diesel engines and petrol fuelled stationary engines used in plint and agricultural applications.

**S.A.E VISCOSITY 10W 20W/20  
30W 40W  
A.R.I. CC/SE, MIL-L-2104B, MIL-L-46152B, CCMC D1.**

## HYDRAULIC OILS

### ULTRAMAX 22, 32, 46, 68, 100

A range of premium quality hydraulic fluids for heavy duty applications. Containing anti-oxidant, anti-foam, anti-rust and a high level of anti-wear additives.

**DIN 51 524 PART 2, DIN ISO 6743 PART 4,  
SPERRY VICKERS M-2950-S, P-286-S, US STEEL 127**

### ULTRAMAX MG32, MG46

High viscosity index hydraulic fluids with multi-grade characteristics. The ISO 46 viscosity is suitable for use in Poclain equipment.

**DIN 51517 PART 3, DIN 51524 PART 3, US STEEL 127,**

### ULTRAMAX BD 32 AND 46

Environmental issues lead the growth in tomorrow's lubricants none more so than in this area where any spillage from burst hoses may be devastating to the local countryside. These grades are both free from zinc and other heavy metal additives and are safe where incidental contact with animals or humans is likely. They have been developed over several years following extensive and arduous field tests on the railway network. Ultramax grades have low pour points to ensure adequate flow even on the coldest winter mornings.

**BIODEGRADABILITY > 98% (CEGL-33-T82)**

## 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 wheel bearing, plain journal and rolling element bearing applications.

### LIBRA EP2M

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.

### LIBRA 00EP / LIBRA 000EP

Semi fluid lithium based grease recommended for use in closed systems incorporating spur, worm, helical and bevel gears as fitted to power harrows and mowers.

### IVO FLOW

A premium red semi fluid calcium grease particularly suited for use in industrial equipment and some automotive gearboxes. The perfect choice for "Autolube" chassis lubrication systems.

### FIFTH WHEEL GREASE

Quality adhesive grease with extra lubricity given by added graphite.

### COPPER THREAD COMPOUND

Lead free, copper based anti seize compound for use on threaded connections, linkages, and slow moving bearings exposed to environmental and chemical contamination. High resistance to salt water ingress.

## GEAR & TRANSMISSIONS OILS

### ATHENA SAE 80W, 90, 140

Mono-grade gear oils free from extreme pressure additives for use where sensitive metals are employed in gear box design. **A.R.L. GL1,**

### ATHENA EP GEAR OILS 80W, 90, 80W/90, 85W/140

Extreme pressure mono-grade and multi-grade gear oils for use in a wide range of automotive transmissions, operating under low to medium conditions. **A.R.L. GL4 MLI-I-2105,**

### ATHENA HD 75W/80, 75W/90, 85W/140

Multi-grade high extreme pressure gearbox and final drive lubricants for use in high load, heavy duty applications. **A.R.L. GL5, MLI-I-2105D**

### TRANSMISSION T0-4 10W AND T0-4 30W

Special formulated, high technology product designed to meet the demanding friction wear and elastomer compatibility requirements of Caterpillar and Irtrex T0-4 Transmission and Drive Train specification. Also available in an SAE 50 viscosity for high ambient temperatures and severe duty operations. **CAT T0-4, ALLISON C4, KOMATSU MICRO CLUTCH & ZF TE-ML 01 & 03**

### AUTOTRANS UNIVERSAL

Automatic transmission fluid meeting or surpassing

**GENERAL MOTORS DEXRON II D ®, FORD MERCON, ALLISON C4,**

**CATERPILLAR T0-2, FORD M2C 138-CJ, M2C 166-H,**

**ZF-TE-ML09,11,14**

® Dexron is a registered trademark of General Motors.

## ANCILLARY PRODUCTS

### TWO STROKE OIL

Two stroke engine oil formulated from top quality mineral oil and specially selected additives to ensure the thermal stability, anti-wear properties, engine cleanliness and protection against corrosion of bearings and cylinders demanded of a modern two stroke oil. Meets the following international specifications, **API TC, TSC-3**

### SUPER TWO STROKE (SEMI-SYNTHETIC)

A specially formulated, synthetic based two-stroke spark ignition gasoline lubricant. Super Two Stroke has been specially formulated from the latest additive technology and synthetic components in order to meet the complex and severe demands laid down by JASO and ISO-L-EGD specifications. It is suitable in motorcycles of medium to high output but can be used in a variety of two stroke applications such as mopeds, motor scooters, chainsaws, generators, lawnmowers, snowmobiles and cutters. **JASO FC, ISO E-GD**

### OPTIMA RACING TWO STROKE OIL (SYNTHETIC)

Optima Racing two stroke oil has been designed to give maximum protection to air cooled two stroke engines working under high speed and severe loading conditions where a superior two stroke oil is required. Recommended for use in competition motorcycles and a variety of two stroke applications such as mopeds motor scooters and chainsaws. It is suitable for pre mix and oil injection systems.

**Product Specification - API TD, TC-W3**

### CHAINSAW OIL

Available in two viscosities SAE 100 and SAE 150. Both viscosities provide an adhesive film which resists "fling off" and the wiping effect of the saw cutting action, prolonging cutting bar life.

### MILKING MACHINE OIL

Formulated to meet the requirements of all vacuum pump milking machines.

### BRAKE FLUID

A universal brake and clutch fluid to specification DOT 4 -SAE J1703F this product can be mixed with other fluids conforming to equivalent standards.

### ANTIFREEZE AND SUMMER COOLANTS

Universal antifreeze which meets BS6580 standard and provides year round protection to cooling systems of cast iron and alloy engines.

### DELTA DEGREASER

Delta is a self emulsifying degreaser used for cleaning component parts, engine blocks and workshop floors.

### FLEETWASH

Fleetwash is based on the latest raw materials and technology from Scandinavia making the product environmentally friendly. It also includes a gloss rinse agent, which aids in the removal of surface water. Its strong cleaning power works well with both hot and cold water at low and high dilutions.

### EXOLDRY OIL ABSORBENT GRANULES

Highly absorbent granules which quickly clean up oil and fluid spillage

### LHM FLUID

Specially formulated from solvent refined base oil, polyalkyl methacrylate and anti oxidants for use in central hydraulic and braking systems for vehicles requiring a mineral oil based product, e.g. Citroen.

### LAWNMOWER OIL

Exol Lubricant's Lawnmower oil is a superior SAE 30 lubricant designed to meet the requirements of 4 stroke lawn mower engines. It is made from solvent refined basestock fortified with proprietary additives. It provides unrivalled anti-wear properties and carbon dispersancy throughout. This oil should be used in accordance with the manufacturer's instructions.

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

## 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 may 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 plain 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. Excelscut 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. Excelscut 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 important 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.

### EXCELRIND 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

Biotable 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

Biotable 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 quenchants 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

### UBRA 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.

### UBRA 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 failing 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 Exolguard 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 (dependant 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.

excellence in **lubricants**

Automotive - Commercial - Agricultural - Industrial



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