

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.P.I. CF-4/SF (CI-4 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, JJ CASE, MS1207, FORD M2C 134D, 159B, MB 228.1, CCMC D4, A.P.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.I. CE/SF, MF1135, MF1139, MF M1137, 1139 FORD M2C159A&B, M2C134B&C, 121B, 86A, 48B, 41B, A.P.I. GL-4, JJ 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.

JJ CASE M5, 1205, 1206, 1207, 1210, B6, 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 15W/40

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 15W/40 (or even a 10W/30) meeting ACEA E5 or E7 is the order of the day. **API C, 4/CH-4/CG-4/SL, ACEA E7/E5/E3/B4/B3/A3, MERCEDES BENZ 228.3 & 229.1, CUMMINS 2007/173/76/77/78, MAN M2275, MTU TYPE 2, MACK EO-M+, VOLVO VDS-3, RENAULT RVI RLD-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 shear 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.P.I. SG 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.P.I. CF4/SG 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.P.I. specifications. Also recommended for use in L.P.G. powered systems and rough terrain four wheel drive vehicles. **A.C.E.A. A3, B3, B4. A.P.I. 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 plant and agricultural applications.

S.A.E VISCOSITY 10W 20W/20

30W 40W

A.P.I. CC/SF, 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, I-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 Podain 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% (CEC-L-33-T-82)

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.P.I. 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.P.I. GL4 MIL-L-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.P.I. GL5, MIL-L-2105D

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

Specially formulated, high technology product designed to meet the demanding friction wear and elastomer compatibility requirements of Caterpillar and Texex 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

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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.

A.P.I. 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 - A.P.I. 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 B56580 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.

LAWN MOWER 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.