



A G R I C U L T U R A L



AGRICULTURAL

SUPER UNIVERSAL TRACTOR OILS

HARVEST ULTRAFARM SS 10W-40 (SEMI SYNTHETIC)

A highly advanced universal oil designed for use in a comprehensive range of off-highway vehicles found in the agricultural and plant sectors. Harvest Ultrafarm SS 10W-40 is based on synthetic base stocks and highly refined mineral base oils and incorporates a state of the art additive system which includes shear stable polymers, anti-foaming agents, anti-oxidants and demulsifier additives which are vital for satisfactory performance in complex transmission, hydraulic and wet brake systems. In addition, a balanced combination of dispersants, detergents and anti-wear additives ensures that this universal oil provides outstanding engine protection.

ACEA E3, API CG-4,CF,SF,GL-4, MIL-L-2104D, CCMC D4, MASSEY FERGUSON M1145,M1144,M1143,M1139,M1135, JOHN DEERE J20C,J27, FORD M2C159B/C,M2C134D, NEW HOLLAND NH 420A, CATERPILLAR TO-2, ALLISON C4, MB 228.1,227.1, MAN 271, ZF TE-ML 03A,06B,06C,07B,07D, AFNOR NF E 68603E

HARVEST ULTRAFARM

Harvest Ultrafarm is a high quality Super Universal Tractor Oil suitable for use in a wide range of modern agricultural equipment. Its wide range of applications allows inventory stocks to be kept to a minimum. Harvest Ultrafarm can be used in the majority of agricultural naturally aspirated and turbocharged diesel engines (depending on viscosity requirements) and petrol engines, hydraulic systems, transmissions, final drives and oil immersed braking systems where its anti-squawk properties are particularly effective in reducing noise. Harvest Ultrafarm may be used where the following specifications are quoted.

Approved by Massey Ferguson (SAE 10W-30 viscosity grade only).

ACEA E3, API CG-4,CF,SF,GL-4, MIL-L-2104D, CCMC D4, MASSEY FERGUSON M1145,M1144,M1143,M1139,M1135, JOHN DEERE J20C,J27, FORD M2C159B/C,M2C134D,M2C121B,M2C86B, NEW HOLLAND NH 420A,NH 410B,NH 030C,8200 9201, CATERPILLAR TO-2, ALLISON C4, MB 228.1,227.1, MAN 271, ZF TE-ML 03A,06B,06C,07B,07D, AFNOR NF E 68603E



EXOL'S COMPREHENSIVE RANGE OF AGRICULTURAL LUBRICANTS IS SPECIFICALLY DESIGNED TO MEET CUSTOMER REQUIREMENTS.

HARVEST MASTERFARM 15W-30

Harvest Masterfarm 15W-30 is a Super Universal Tractor Oil formulated for use in a wide range of agricultural machinery. It can be used in a variety of naturally aspirated and turbocharged diesel and petrol engines, hydraulic systems, transmissions, final drives and oil immersed brake systems.

Harvest Masterfarm may be used where the following specifications are quoted.

API CE/SF, GL-4, ALLISON C4, CATERPILLAR TO-2, JOHN DEERE J20A, J27, MASSEY FERGUSON M1135, M1137, M1139. CASE MS1206, 1207. FORD M2C159B, M2C134B/C, M2C121B, M2C86A. MB 227.1. ZF TE-ML 05/06/07. CCMC D4/G2

UNIVERSAL TRACTOR TRANSMISSION OILS

HARVEST UTTO

Harvest UTTO is a modern Universal Tractor Transmission Oil for transmissions, hydraulics, final drives and wet brakes. It is blended from carefully selected base oils and the very latest in additive technology to produce a specialised lubricant to meet the latest and most severe transmission requirements. It meets the demands of most agricultural transmission specifications and greatly reduces wet brake noise and chatter. Harvest UTTO is not suitable for use in engines. Available in red or undyed.

API GL-4, JOHN DEERE J20C, J20A, MASSEY FERGUSON M1145, M1143, M1141, M1135, CASE MAT 3525, FNHA-2-C-200.00, MS 1210, MS 1206, FORD M2C134D, M2C86B, NEW HOLLAND NH 420A, NH 410B, VOLVO WB 101, 97303, CATERPILLAR TO-2, ALLISON C4, ZF TE-ML 03E, 05F, 06K, 17E, KUBOTA UDT FLUID

ENGINE OILS

TAURUS SHPD E9 15W-40 (HIGH PURITY MINERAL OIL)

Taurus SHPD E9 15W-40 is the very latest, new generation 'Super High Performance' heavy duty diesel engine oil formulated to meet the latest Euro 5 low emissions requirements. This advanced lubricant utilises the latest low SAPS additive technology which helps protect sensitive after-treatment systems found in many modern heavy duty vehicles.

Approved by Volvo, Renault and Mack.

ACEA E9, API CJ-4/SM, CUMMINS 28001, MB 228.31, MAN M3575, MTU TYPE 2.1, RENAULT RVI RLD-3, VOLVO VDS-4, CATERPILLAR ECF-3, MACK EO-O PREM+

TAURUS SHPD E7 15W-40

Taurus SHPD E7 15W-40 is a 'Super High Performance' heavy duty diesel engine oil formulated to meet the most severe lubrication requirements demanded by a wide range of manufacturers. It has superior soot handling properties and provides high levels of piston cleanliness, oxidation resistance and anti-wear characteristics.

Approved by Volvo, Renault, Mack and Cummins.

ACEA E7, B4, B3, A3, API CI-4/SL, MB 228.3, 229.1. CUMMINS 20071/72/76/77/78, MAN M3275, MTU TYPE 2, MACK EO-M+, VOLVO VDS-3, RENAULT RVI RLD-2, GLOBAL DHD-1, ZF TE-ML 04C/07C CATERPILLAR ECF-2, ALLISON C4, JASO DH-1, DETROIT DIESEL DDC 93K215, DEUTZ DQC III-10

VANGUARD DIESEL 15W-40

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

ACEA A3, B3, B4, E2, API CH-4/SL, MB 228.1, 229.1, MAN 271, VOLVO VDS, VW 505.00, MTU TYPE 1, MACK EO-L

TRANSMISSIONS OILS

ATHENA HD 75W-80, 75W-90, 80W-90, 85W-140, 80W, 90, 140

High load carrying extreme pressure multigrade and monograde gear oils for use in final drives and gearboxes.

API GL-5, MIL-L-2105D.

ATHENA EP 80W, 90, 140, 80W-90, 85W-140

Extreme pressure monograde and multigrade gear oils for use in a wide range of commercial transmissions operating under low to medium duty conditions. API GL-4, MIL-L-2105

TRANSMISSION TO-4

Specially formulated, high technology products designed to meet the exacting requirements of the Caterpillar TO-4 specification. The Transmission TO-4 range is suitable for certain off highway transmissions and hydraulic systems.

VISCOSITY GRADES SAE 10W, 30 & 50

CATERPILLAR TO-4, ALLISON C4, ZF TE-ML 03C, 07F, KOMATSU KES 07.868.1

AUTOTRANS UNIVERSAL

Automatic transmission and power steering fluid meeting or surpassing:

GM DEXRON IID, FORD MERCON, M2C138CJ, M2C166H, ALLISON C4, CATERPILLAR TO-2, MB 236.1, ZF TE-ML 09, 11, 14

AUTOTRANS G

Autotrans G is suitable for use in automatic transmissions, gearboxes, hydraulic systems, power steering units, fluid drives and torque converters requiring a non-friction modified transmission fluid. The additive system incorporated in Autotrans G provides a range of performance enhancements including resistance to oxidation, foam, corrosion and wear. FORD M2C33G, M2C33F

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

HYDRAULIC OILS

ULTRAMAX MG32, MG46

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

DIN 51517 PART 3, DIN 51524 PART 3, ISO 6743/4, SPERRY VICKERS M-2950-S, I-286-S

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 51524 PART 2, ISO 6743/4, DENISON HF-2, TP 02100 FILTERABILITY, SPERRY VICKERS I-286-S, M-2950-S, US STEEL 127, AFNOR NF E 48-600, THYSSEN TH N-256132, SEB 181.222, VDMA 24318

ULTRAMAX SE 46

Ultramax SE46 is a synthetic ester based, biodegradable hydraulic fluid designed for use in sensitive locations where accidental spillages would otherwise cause serious environmental contamination issues if conventional oils were used. Its anti-oxidation properties and resistance to gumming allow extended service life compared with more conventional biodegradable fluids.

ISO VISCOSITY GRADE 46
EUROPEAN ECOLABEL, ISO 15380 HEES, SWEDISH STANDARD SS 15 54 34, DENISON HF-2, HF-6

ULTRAMAX BD 32, BD 46

Environmental concerns have led to a growth in ecologically sensitive, biodegradable lubricants. Ultramax BD products reflect this and are particularly suitable for use where accidental spillages would otherwise have a serious environmental impact. They are free from zinc and other heavy metal additives and are the product of several years extensive field testing on the railway network. Ultramax BD grades have low pour points to ensure adequate flow on even the coldest winter mornings.

ISO VISCOSITY GRADES 32, 46
BIODEGRADABILITY > 98% (CEC-L-33-T-82)

MILKING MACHINE OIL

Formulated to meet the requirements of all vacuum pump milking machines. Based on carefully selected mineral oils which provide excellent thermal stability and low vapour pressure.

ISO VISCOSITY GRADE 100

GREASES

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 and can allow longer periods between re-lubrication compared with standard greases. NLGI 2

LIBRA EP2

A premium lithium soap thickened high melting point grease, EP treated with good anti-corrosion properties. An excellent multi-purpose grease. For use in anti-friction and plain bearing applications subjected to high load conditions. NLGI 2

LIBRA EP2M

Lithium soap thickened grease fortified with molybdenum disulphide. Ideal for use in anti-friction and plain bearings under high load and boundary conditions. NLGI 2

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. NLGI 00 & NLGI 000

COPPER GREASE

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. NLGI 2

ANCILLARY PRODUCTS

BIODEGRADABLE CHAINSAW OIL 220

CHAINSAW OIL

LAWNMOWER OIL

SUPER TWO STROKE (SEMI-SYNTHETIC)

TWO STROKE OIL

BRAKE FLUID

LHM FLUID

ANTIFREEZE LL

ANTIFREEZE MEG

FLEETWASH

DELTA DEGREASER

OIL ABSORBENT GRANULES

HYGIENICS HAND CLEANER

AEROSOLS





AGRICULTURAL OVERVIEW

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. Exol's agricultural product range has been developed to satisfy the requirements of the latest specialised tractors through to older types of farming machinery and ancillary equipment, including milking machines, chainsaws, stationary engines and hydraulically operated plant.

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

EXOL RECOMMENDATION CHART

MANUFACTURER	SPEC	EXOL RECOMMENDATION	
CASE	MS1206 MS1210 MAT 3525	HARVEST MASTERFARM 15W-30 HARVEST UTTO HARVEST UTTO	
FORD	M2C159-B M2C86-B M2C134-D	HARVEST MASTERFARM 15W-30 HARVEST UTTO HARVEST ULTRAFARM 10W-30 OR HARVEST UTTO	
JOHN DEERE	J27 J20C	HARVEST MASTERFARM 15W-30 HARVEST ULTRAFARM 10W-30 OR HARVEST UTTO	
MASSEY FERGUSON	M1139 M1144 M1135 M1141 M1143 M1145	HARVEST MASTERFARM 15W-30 HARVEST ULTRAFARM 10W-30 HARVEST MASTERFARM 15W-30 HARVEST ULTRAFARM 10W-30 OR HARVEST UTTO HARVEST ULTRAFARM 10W-30 OR HARVEST UTTO HARVEST ULTRAFARM 10W-30 OR HARVEST UTTO	
NEW HOLLAND	NH 410B NH 420A	HARVEST ULTRAFARM 10W-30 OR HARVEST UTTO HARVEST ULTRAFARM 10W-30 OR HARVEST UTTO	
N/A	ACEA E9 ACEA E7 API CI-4 API CH-4	TAURUS SHPD E9 15W-40 TAURUS SHPD E7 15W-40 TAURUS SHPD E7 15W-40 VANGUARD DIESEL 15W-40	



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