



# AGRICULTURAL LUBRICANTS OVERVIEW

HARD WORKING  
LUBRICANTS FOR HARD  
WORKING MACHINERY

## Super Universal Tractor Oils (SUTO)

Millfarm XTOU Super Universal Tractor Oils are a multifunctional lubricant for engines, gearboxes, hydraulics, oil immersed wet brakes and final drives.

| Part No | Product Name   | Specifications:   |
|---------|--|---|
| 5351    | <b>Millfarm XTOU 10W-30 Mineral</b><br>ACEA: E3<br>API: CG-4, SF | John Deere: J20C, J27A<br>Case New Holland: MAT 3525, MAT 3526<br>Massey Ferguson: M1139, M1144, M1145<br>Ford: M2C159B/M2C159C, M2C134D<br>Ford/New Holland: 82009201/2/3<br><br>Caterpillar: TO-2<br>Allison: C4<br>ZF: FXH, TE ML 06A, 06B, 06C, 07B<br>MAN: M271<br>MB 227.1                            |
| 7859    | <b>Millfarm XTOU 15W-40 Mineral</b><br>ACEA: E3<br>API: CG-4, SF | John Deere: J20D, J27A<br>Case New Holland: MAT 3525, MAT 3526<br>Massey Ferguson: M1135, M1143, M1145<br>JL Case/Case Int: MS-1204, MS-1206, MS-1207, MS-1209<br>Ford: M2C159B/C, M2C134D<br><br>Ford/New Holland: 82009201/2/3<br>Caterpillar: TO-2<br>Allison: C4<br>ZF: TE ML 06B, 06C, 07B<br>MB 227.1 |

## Universal Tractor Transmission Oils (UTTO)

Used when a tractor or off-highway vehicle requires a combined hydraulic, transmission and final drive fluid with wet brake and power take-off performance.

| Part No | Product Name  | Specifications:  |
|---------|---|--|
| 5118    | <b>Millitran 10W-30 Mineral</b><br>API: GL-4        | John Deere: JDM, J20C, J27D<br>Case New Holland: MAT 3525, MAT 3526<br>Massey Ferguson: M1135, M1141, M1143, M1145<br>JL Case/Case Int: MS-1204, MS-1206, MS-1207, MS-1209<br><br>Ford: M2C134D, M2C86B, M2C86C<br>Kubota: UDT<br>Caterpillar: TO-2<br>Volvo: WB101 (97303)<br>Allison: C4<br>ZF: TE ML 06F, 06H |
| 6220    | <b>Millitran 10W-40 Mineral</b><br>API: GL-4        | John Deere: JDM, J20C, J27D<br>Case New Holland: MAT 3525, MAT 3526<br>Massey Ferguson: M1135, M1141, M1143, M1145<br>JL Case/Case Int: MS-1204, MS-1206, MS-1207, MS-1209<br><br>Ford: M2C134D, M2C86B, M2C86C<br>Kubota: UDT<br>Caterpillar: TO-2<br>Volvo: WB101 (97303)<br>Allison: C4<br>ZF: TE ML 06F, 06H |
| 7522    | <b>Millitran HY 20 Fully Synthetic</b><br>API: GL-4 | John Deere: JDM, J20C, J27D<br>Case New Holland: MAT 3525, MAT 3526<br>Massey Ferguson: M1135, M1141, M1143, M1145<br>JL Case/Case Int: MS-1204, MS-1206, MS-1207, MS-1209<br><br>Ford: M2C134D, M2C86B, M2C86C<br>Kubota: UDT<br>Caterpillar: TO-2<br>Volvo: WB101 (97303)<br>Allison: C4                       |

## Hydraulic Oil

| Part No | Product Name              | Description   | Specifications   |
|---------|---------------------------|---|--|
| 5037    | <b>Millmax 32</b>         | The Millmax hydraulic oil range offers reliable protection against corrosion and wear, whilst maximising power transfer for efficiency in mechanical applications.  | DIN 51524 Part 2. Exceeds DIN 51517 performance requirements.<br>Parker (Denison) HF-0, HF-1 & HF-2<br>Eaton M-2950-S (35VQ25 pump test)<br>ISO 20763 Conestoga vane pump test<br>ISO 11158 categories HH, HL & HM<br>Vickers I-286-S3 (Industrial equipment)  |
| 5155    | <b>Millmax 46</b>         |   |  |
| 5160    | <b>Millmax 32 HV</b>      | The Millmax HV hydraulic oil range offers reliable protection against corrosion and wear for systems subject to temperature variations e.g. outdoor equipment, allowing maximised power transfer for efficiency in industrial applications. | DIN 51524 part II & part III<br>Parker (Denison) HF-0, HF-1 & HF-2<br>Eaton M-2950-S (35VQ25 pump test)<br>ISO 20763 Conestoga vane pump test<br>ISO 11158 categories HH, HL, HM & HV<br>ASTM D6158<br>SAE MS1004<br>Vickers I-286-S3 (Industrial equipment)<br>Cincinnati Machine P-68, P-69 & P-70<br>Bosch Rexroth 90220<br>JCMAS P041 HK Hydraulic Specification<br>ANSI/AGMA 9005-E02-RO<br>GM LS-2<br>AIST 126 (US Steel)<br>AIST 127 (US Steel) |
| 5228    | <b>Millmax 46 HV</b>      |   |  |
| 5228    | <b>Millmax 32 BIO</b>     | A fully synthetic biodegradable hydraulic fluid based on modern ester technology and ashless anti-wear additives, classified as an Hydraulic Environmental Ester Synthetic type fluid (HEES).   | DIN 51524 Pt 2 and 3<br>OECD (Organisation for Economic Co-operation and Development) 201, 202, 203 and 301B   |
| 5650    | <b>Millmax 46 HFD (u)</b> | A fire resistant and biodegradable hydraulic fluid based on full synthetic ester technology and classified as an HFD (u) type fluid.  | DIN 51524 Part 2 and 3<br>Sperry Vickers I-286-S<br>AFNOR NFE 48603<br>BSEN ISO 12922 : 2002<br>OECD (Organisation for Economic Co-operation and Development) 201, 202, 203 and 301B   |

## Engine Oils

| Part No | Product Name         | Type   | OEM Approvals/Specifications:   |   |
|---------|----------------------|--|---|---|
| 7560    | Millfarm XHPD 15W-40 | Mineral<br>ACEA: E7<br>API: CI-4, SL                 | MB 228.3<br>MAN M3275<br>Volvo VDS-3<br>Renault RLD, RLD 2, RVI   | Cummins CES 20071, 72, 76, 77<br>MTU Type 2<br>CAT ECF-1-a, ECF-2   |
| 5752    | Multifleet 15W-40    | Mineral<br>ACEA: E7<br>API: CI-4, SL                 | Mack E0-N, E0-M Plus<br>MTU Type 2<br>MB 228.3<br>Renault RLD-2<br>MAN M 3275<br>CAT ECF-2, ECF-1-a   | Volvo VDS-3<br>Deutz DQC III-10<br>Cummins 20076, 20077, 20078<br>Global DHD-1<br>Detroit Diesel DDC 93K215   |
| 5834    | Trucksynth LE 10W-40 | Fully Synthetic<br>ACEA: E6, E7, E9<br>API: CI-4     | MAN 3477<br>MAN 3271-1<br>MB 228.51<br>Volvo VDS-4, VDS-3, CNG<br>Renault RLD-3, RLD-2, RXD, RGD<br>Mack E0-0 PREMIUM PLUS, E0-N, E0-M Plus<br>MTU Type 3.1       | Scania Low Ash<br>CAT ECF -1-a<br>Deutz DQC IV-10 LA<br>Jaso DH-2<br>Cummins CES 20076, CES2077, CES 20078*<br>*CES 20078 supported by API CI-4 and + 10TBN limit |
| 7745    | Trucksynth EE 5W-30  | Fully Synthetic<br>ACEA: E6, E7, E9<br>API: CJ-4, SN | MAN M 3677, M 3477, M 3271-1<br>MTU Type 3.1<br>Volvo VDS-4, VDS-3<br>Renault RLD-3<br>Mack E0-0 Premium Plus, E0-N Premium Plus, E0-M Plus<br>Deutz DQC IV-10 LA | Cummins CES 20081<br>CAT ECF-3<br>JASO DH-2<br>Detroit Diesel DDC 93K218<br>Voith Retarder Class B<br>Scania LDF-4, Scania Low Ash                                |

## Grease

| Part No | Product Name             | Description   | Application   | Operating Temp °C | Type                         |
|---------|--------------------------|---|---|-------------------|------------------------------|
| 5270    | Delta 2EP                | Lithium based grease.<br>Also available in Delta 1EP & Delta 3EP.<br>Versatile multi-purpose grease used for general lubrication. It has good extreme pressure and anti-wear performance with a high degree of corrosion protection.  | Commonly used in bearings in light and medium load pressure applications, and general greasing.   | - 20°C to 140°C   | Lithium Multi-Purpose Grease |
| 5305    | Deltaplex 2EP            | Excellent mechanical and oxidation stability, providing long lasting lubrication at high temperatures.<br>Excellent EP and anti-wear performance.<br>Good corrosion resistance protects components operating in wet conditions.<br>Deltaplex 2EP benefits over Delta 2EP:<br>- Improved water resistance<br>- Approximately 80% better performance in extreme conditions.<br>- Deltaplex 2EP proves more cost effective due to reduction in repairs and extended intervals. | Commonly used in bearings from light, medium and heavy load extreme pressure applications.<br>Better water resistance properties than standard Delta 2EP. | - 20°C to 150°C   | Lithium Red Complex Grease   |
| 5819    | PBL / Fifth Wheel Grease | A grease designed for heavy duty applications where adhesion, water resistance, shock loading and good corrosion protection is needed. This grease has a high level of lubricating solid graphite which keeps the working surfaces apart and substantially extends the life of components.  | Bucket pins and bushes on heavy earth moving equipment.<br>Electrical contacts and 'push-fit' cable connectors.   | - 20°C to 140°C   | Graphite Grease              |

## Classic Engine Oils

| Part No              | Product Name  | Type               | Description  |
|----------------------|---|--------------------|--|
| 7908<br>7909<br>7910 | Pistoneeze SAE 30<br>Pistoneeze SAE 40<br>Pistoneeze SAE 50 | Mineral<br>API: SG | Engineered for classic vehicles, the Pistoneeze monograde engine oils are mineral based. These moderate detergent products effortlessly provide the level of wear and anti-oxidant protection required in classic vehicles and are also suitable for vintage vehicles incorporating a modern filtration system. Formulated with optimised ZDDP (zinc/phosphorus) levels. |

## Antifreeze and Coolant

| Part No | Product Name                     | Description   | International Standards and Specifications   |   |   |
|---------|----------------------------------|---|--|---|---|
| 5359    | Alpine Antifreeze BT - Blue      | Traditional Mono Ethelene Glycol (MEG) corrosion inhibitor.<br>2 years full protection.<br>Protects to -56°C. | BS 6580 (2010)<br>ASTM D3306<br>SAE J 1034   |   |   |
| 5668    | Alpine Antifreeze Extended - Red | OAT (Organic Acid Technology) corrosion inhibitor.<br>5 years extended protection.<br>Protects to -56°C.      | BS 6580 (2010)<br>ASTM D3306,<br>ASTM D4985<br>SAE J 1034<br>NATO S 759<br>FFV Heft R443<br>CUNA NC 956-16<br>UNE 26361-88 | JIS K 2234*<br>AFNOR NF R15-601*<br>[*with exception of reserve alkalinity]<br>Cummins CES 14603<br>Ford ESE M97B49-A,<br>WSS-M97B44-D & ESD<br>M97 B49-A | VAG TL 774 D/F (G12/G12+)<br>John Deere H 24 B1 & C1<br>Volvo VCS |

# OIL & FUEL SAMPLING

Oil sampling can give you the knowledge to safely extend your vehicle oil drain intervals and diagnose engine issues before they cause excessive damage, saving you money.



From our own dedicated state of the art laboratory, we can provide sampling and analysis services on your fuel and oil condition.

- **Viscosity:** Crucial for optimum lubrication to maximize performance.
- **Additive level:** Additive levels become depleted over time as they fulfil their purpose.
- **Contamination:** Oil can become contaminated by environmental factors, as well as by other oils.
- **Wear metals:** Wear metals in the oil offer an insight into not just the health of the oil but the health of the machine components.

# QUALITY LUBRICANTS FOR A RANGE OF REQUIREMENTS

Millers Oils provides oils, lubricants and treatments for the majority of vehicles and for a range of industrial requirements.

- **Automotive**
- **Motorsport**
- **Classic**
- **CV**
- **Off Highway**
- **Industrial**
- **Process Oils**

# WHICH OIL?

If you still aren't sure or would like some advice or assistance, the Millers Oils technical helpdesk is open Mondays to Friday – 01484 475060 or [technical@millersoils.co.uk](mailto:technical@millersoils.co.uk)

## Millers Oils Head Office

Millers Oils Ltd  
Brighouse, West Yorkshire,  
HD6 3DP, UK  
T: +44 (0) 1484 713201  
F: +44 (0) 1484 721263  
E: [sales@millersoils.co.uk](mailto:sales@millersoils.co.uk)

## Millers Oils Scotland

Millers Oils Ltd  
Caledonian House,  
3 Old Quarry Road, Westfield  
Industrial Estate, G68 9NB  
T: +44 (0)1236 280 107  
E: [glasgow@millersoils.co.uk](mailto:glasgow@millersoils.co.uk)

[www.millersoils.co.uk](http://www.millersoils.co.uk)



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