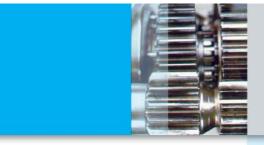


Super Tractor Multigrade

Efficient performance multigrade Super Tractor Oil Universal (STOU)

Product Data Sheet







Product description

Super Tractor SAE 15W-40 is an efficient performance multigrade Super Tractor Oil Universal (STOU), designed for use in tractor crankcases, final drives and hydraulic systems.

Super Tractor has a mineral oil base and a balanced additive package combination formulated to offer versatile multiservice application.

Product benefits

- Multi-application additive package allows use in tractor engines, transmissions, final drives and hydraulic systems, cutting inventories, costs and costly misapplications
- Friction modifiers ensure smooth, quiet wet brake and power take-off operation minimising squawk and chatter
- Low temperature fluidity allows rapid oil circulation at cold start-up, protecting components against wear
- Shear stability ensures viscosity retention throughout oil service life
- Oxidation stability prevents oil thickening, sludge and lacquer formation and acid attack on vulnerable components
- Compatible with a wide range of elastomers, preventing fluid loss through seal deterioration

Applications

Super Tractor is specifically designed for use in engines, transmissions, rear
axles and hydraulic systems of agricultural tractors and associated equipment
where a "Super Tractor Oil Universal" (STOU) is required. It may also be used in
applications calling for a "Universal Tractor Transmission Oil" (UTTO). It is not
recommended in heavy-duty powershift transmissions where a Caterpillar TO-4
fluid is specified - for these applications, use Caltex Torque Fluid 454

Product highlights:

- Versatile multi-application
- Reduces squawk and chatter
- Resists wear, corrosion and oxidation
- Selected specification standards include:
- API
- CCMC
- US Military
- Ford
- John Deere
- Massey Ferguson (GIMA)
- ZF







• Super Tractor may also be used in mobile hydraulic systems and in mobile or stationary diesel engines. It is not suitable for use in all modern high performance engines - please check the minimum requirements in the vehicle's handbook

Approvals and performance specifications

Performance specifications

| • API | CF-4 | Meets requirements |
|--------------------------|----------------------|--------------------------|
| • API | GL-4 (low speed-high | Suitable for application |
| | torque applications) | |
| • CCMC | D4 | Meets requirements |
| • US Military | MIL-L-2104D | Meets requirements |
| • US Military | MIL-L-46152B | Meets requirements |
| • Ford | ESN-M2C134-D | Suitable for application |
| • Ford | ESN-M2C159-B | Suitable for application |
| John Deere | JDM J20C | Suitable for application |
| John Deere | JDM J27 | Meets requirements |
| • Massey Ferguson (GIMA) | CMS M1135 | Suitable for application |
| • Massey Ferguson (GIMA) | CMS M1139 | Meets requirements |
| • Massey Ferguson (GIMA) | CMS M1144 | Meets requirements |
| • Massey Ferguson (GIMA) | CMS M1145 | Meets requirements |

Approvals

| • ZF | TE-ML 06B | Approved |
|------|-----------|----------|
| • ZF | TE-ML 07B | Approved |









continued

Typical test data

| SUPER TRACTOR MULTIGRADE | | |
|--------------------------------------|--------------|----------|
| TEST | TEST METHODS | RESULTS |
| Viscosity Grade | | 15W-40 |
| Product Code | | 500421.8 |
| Viscosity, Kinematic, 100 °C, mm²/s | ASTM D445 | 15.1 |
| Viscosity, Kinematic, 40 °C, mm²/s | ASTM D445 | 113 |
| Viscosity Index | ASTM D2270 | 139 |
| Viscosity, Brookfield, -18 °C, mPa.s | ASTM D2983 | 9700 |
| Cranking Viscosity, -20 °C, mPa.s | ASTM D5293 | 6750 |
| Pumping Viscosity, -25 °C, mPa.s | ASTM D4684 | 25300 |
| Density, 15 °C, kg/l | ASTM D4053 | 0.884 |
| Flash Point COC, °C | ASTM D92 | 224 |
| Pour Point, °C | ASTM D97 | -33 |
| Copper Corrosion, 3h, 100 °C | ASTM D130 | 1a |
| FZG Gear Wear Test | CEC L7A95 | |
| - Failure load stage | | >12 |
| Sulphated Ash | - | 0.14 |

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

<u>Disclaimer</u> Chevron accepts no liability for any loss or damage suffered as a result of using this product for any application other than applications specifically stated in any Product Data Sheet's.

Health, safety, storage and environmental Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDS's are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation.

For more information, go to www.chevronlubricants.com