



# Super Tractor

## Super Tractor Oil Universal

Product Data Sheet

### Customer benefits

- **Minimizes application problems**  
Unique multi-application additive package enables use in engines, transmissions, final drives and hydraulic systems, avoiding costly equipment failure due to misapplication.
- **Reduced maintenance costs**  
Outstanding oxidation and nitration resistance minimizes acid number increase, providing protection against bearing corrosion.
- **Extended oil change periods**  
Very high oxidation stability protects against the formation of gums and varnishes, reduces oil thickening and increases oil life.
- **Maintains power output**  
Detergent/dispersant additive system maintains power output by providing deposit control under the high temperature conditions encountered in both naturally aspirated and turbocharged diesel vehicles. Multi-viscosity characteristics ensure rapid oil circulation on start-up, preventing wear which contributes to power loss.
- **Smooth and quiet operation**  
Special friction modifier component allows smooth action of the wet brakes and power take-off clutches, minimizing chatter, stick slip and squawk.

### Applications

- Where tractor manufacturers specify the use of a STOU type product
- Mixed fleets of agricultural tractors and associated equipment
- Enclosed oil immersed (wet) brakes
- Power take off (PTO) clutches

### Performance standards

- API GL-4
- ZF TE-ML 06B, TE-ML 07B (approved and listed, reference 000789)

### Product features:

Shear stable, multi-viscosity super tractor oil universal (STOU) fluid designed for use in tractor engines, transmissions, final drives and hydraulic systems.

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Suitable for use where the following are specified:

- Ford ESN-M2C159-B2, -B3
- Ford New Holland FNH 820092102, 890092103
- New Holland NH 024C
- Massey Ferguson CMS M1144

## Product Specifications

SUPER TRACTOR KEY PROPERTIES	RESULTS
SAE Grade	15W-40
Product Code	500421
Base No., D2896, mg KOH/g	10.1
Pour Point, °C	-33
Sulfated Ash, m %	1.4
Viscosity, Kinematic	
mm <sup>2</sup> /s @ 40°C	113
mm <sup>2</sup> /s @ 100°C	15.1
Viscosity Index	139
Zinc, m %	0.14



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*continued*

### Service Considerations

Super Tractor SAE 15W-40 is a multifunctional fluid of the super tractor oil universal (STOU) type that is intended for use in both the engines and transmission compartments of agricultural tractors and related equipment, including those fitted with oil-immersed brakes.

For current and recent tractors, manufacturers separately specify the engine oil and transmission fluid requirements. Thus in each case it is necessary to determine that Super Tractor SAE 15W-40 meets both sets of requirements. Historically some tractor makers issued a single STOU specification that covered both engines and transmission, but this practice has been discontinued for many years. Thus, it is recommended to use an engine oil with the correct performance qualification for the tractor's engine.

The diversity of tractor transmission fluid specifications is such that there are some mutual exclusivities, and it is not possible for one fluid to completely meet all specifications. Also, some specifications are not publicly available. Thus in some cases, Super Tractor SAE 15W-40 is offered on a suitable-for-use basis, supported by a comprehensive combination of bench and equipment testing.

Although Super Tractor SAE 15W-40 does meet API GL-4, this is a secondary target and it is nevertheless not designed for nor intended for use in any on-highway drive axles of the hypoid type.

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

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Environment, Health and Safety Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit [www.caltexoils.com](http://www.caltexoils.com).

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