

Product	Sinopec STOU Tractor Oil
Summary	Product description Sinopec STOU Tractor Oil is a Super Tractor Oil Universal (STOU) formulated with high-quality mineral base oils and a multifunctional additive system to meet the requirements of a wide range of agricultural equipment manufacturers. This multifunctional oil can be used in many different agricultural applications and is particularly useful in equipment where there is a common lubrication system supplying oil for different applications. It is available in two SAE grades, 10W-30 and 15W-40.

Applications

Sinopec STOU Tractor Oil is suitable for use in:

- Diesel engines, transmission and hydraulic systems, wet brakes and final drives of tractors and other agricultural or forestry equipment with common lubrication systems, where a STOU type lubricant is required.

Features and benefits

- This multifunctional oil, suitable for many agricultural and forestry applications, avoids the problems of accidental misapplication, which could cause equipment failure, and also saves on oil inventory costs.
- Low pour point and high viscosity index ensure excellent low-temperature fluidity and good start-up and hydraulic performance, even under cold conditions, preventing start-up wear and ensuring smooth hydraulic operation.
- A special friction modifier ensures smooth action in wet brakes and power take-off clutches, minimising vibration, chatter, stick-slip and squawk, and prolongs service life.
- Good antiwear performance protects moving parts from wear and metal fatigue, extending equipment life; excellent protection against gear scuffing, pitting and wear in applications where an API GL-4 product is required.
- Excellent thermal and oxidation stability minimise the formation of deposits that could lead to component wear, and also ensure longer oil life.
- Excellent protection against rusting and corrosion, extends the life of system components.
- Good antifoaming properties ensure optimum oil film thickness is maintained and reduce oil leakage from the system.
- Good compatibility with most common seals and elastomer materials used in agricultural equipment prolongs seal life and reduces leakage.
- Available in two SAE viscosity grades to suit the particular service conditions and ambient temperatures.
- Excellent shear stability ensures good viscosity retention even in conditions of high temperature and heavy load, and prolongs the service life of hydraulic transmission systems.

Product Data Sheet

Typical data

Sinopec STOU Tractor Oil		
SAE grade	10W-30	15W-40
Kinematic viscosity, ASTM D 445		
cSt @ 40°C	69.1	109.4
cSt @ 100°C	10.4	14.2
Viscosity index, ASTM D 2270	137	131
Dynamic viscosity, CCS, ASTM D 5293		
cP @ -25°C	6,100	-
cP @ -20°C	-	5,200
Sulfated ash, wt%, ASTM D 874	1.4	1.4
Total base number, mg KOH/g, ASTM D 2896	10.5	10.9
Pour point, °C, ASTM D 97	-33	-27
Flash point (COC), °C, ASTM D 92	224	226
Density @ 15°C, kg/l, ASTM D 4052	0.875	0.886

These data are given as an indication of typical values, not as exact specifications.

Industry and OEM specifications

Sinopec STOU Tractor Oil meets the performance requirements of the following industry specifications:	
ACEA	E3
API Service Classification	Diesel: CG-4 and earlier HDDEO specifications
	Gear lubricant: GL-4

Sinopec STOU Tractor Oil meets the performance requirements of the following OEM specifications:	
Allison	C-4 (agricultural applications only)
New Holland	82009201/2/3
Caterpillar	TO-2
Ford	M2C 159B/C
John Deere	JDM J27
Massey Ferguson	CMS M1145, CMS M1144, CMS M1139
ZF	TE-ML-06A/B/C, TE-ML-07B

Product Data Sheet

Accuracy of information

Data provided in this PDS is typical and subject to change as a result of continuing product research and development. The information given was correct at the time of printing. The typical values given are subject to variations in the testing procedures and the manufacturing process may also result in slight variations. Sinopec guarantees that its lubricants meet any industry and OEM specifications referred to on this data sheet.

Sinopec cannot be held responsible for any deterioration in the product due to incorrect storage or handling. Information on best practice is available from your local distributor.

Product and environmental safety

This product should not cause any health problems when used in the applications suggested and when the guidance provided in the Material Safety Data Sheet (MSDS) is followed. Please consult the MSDS for more detailed advice on handling; MSDSs are available from your local distributor. Do not use the product in applications other than those suggested.

As with all products, please take care to avoid environmental contamination when disposing of this product. Used oil should be sent for reclamation/recycling or, if not possible, must be disposed of according to relevant government/authority regulations.

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