

Product	SINOPEC UTTO-R
Summary	Product description SINOPEC UTTO-R is extra high-performance universal tractor transmission oil, designed for provide premium lubrication for hydraulic and transmission, wet (oil immersed) brakes and power take-off (PTO) systems in agricultural and off-road vehicles including earthmoving machinery operating in a wide range of environments and working conditions, and is particularly useful in equipment with a combined lubricating system supplying oil for multiple functions/parts to o reduce the stock and the number of lubricant products.

Applications

SINOPEC UTTO-R is suitable for:

- Transmission and hydraulic systems, wet brakes and final drives of tractors and other agricultural, forestry and earthmoving equipment with common lubrication systems.

Features and benefits

- A multifunctional oil for gearbox, hydraulic, transmission and wet brake systems, and suitable for high power agricultural machinery.
- Excellent low temperature performance, ensure smooth start up and operation in cold weather.
- Excellent shear stability ensures good viscosity retention even in conditions of high temperature and heavy load, and prolongs the service life of hydraulic and transmission systems.
- Outstanding anti-wear performance protects moving parts from wear and metal fatigue, ensures long equipment life, and provides excellent protection against gear scuffing, pitting and wear in applications where an API GL-4 product is required.
- Excellent thermal and oxidation stability minimises the formation of deposits that could lead to component wear, and also ensure longer oil life.
- Excellent protection against rust and corrosion, increases the service life of system components.
- Good antifoaming properties ensure optimum oil film thickness and reduce oil leakage from the system.
- Good compatibility with most common seals and elastomer materials used in agricultural and earthmoving vehicles, prolongs seal life and reduces leakage.

Product Data Sheet

Typical data

SINOPEC UTTO-R	
Kinematic viscosity, ASTM D 445	
cSt @ 40°C	50.09
cSt @ 100°C	9.45
Brookfield viscosity, ASTM D 2983	
cP @ -30°C	16300
cP @ -20°C	3620
Pour point, °C, ASTM D 97	-39
Flash point (COC), °C, ASTM D 92	236

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

Industry and OEM specifications

SINOPEC UTTO-R meets the performance requirements of the following industry specifications:	
API Service Classification	Automotive Gear Lubricant: GL-4

SINOPEC UTTO-R meets the performance requirements of the following OEM specifications:	
Allison	C-4 (agricultural applications only)
John Deere	J20C
Case	MS-1207, MS-1210
Caterpillar	TO-2
CNH	MAT (3505, 3506, 3509,3510), 3525
Ford	ESN-M2C134-D (FNHA-2-C-201.00), ESN-M2C86-B, ESN-M2C86-C
Kubota	UDT
Massey Ferguson	CMS 1145
Volvo	WB 101
SINOPEC UTTO-R holds the following OEM approvals:	
ZF	TE-ML 03E/05F/06R
DANA	OHTM-UTTO

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.

The SINOPEC trademark is registered and protected.

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