# Product Information

## AVENO UTTO

**0002-000116**

### Description

AVENO UTTO is based on solvent refined base oils and is a combined gear and hydraulic oil. As a specially developed universal oil, it can be used in combined hydraulic and gear systems of modern tractors. AVENO UTTO guarantees the problem-free operation of all units in any weather conditions.

### Instructions for use

AVENO UTTO is a universal oil for lubrication and power transmission in combined hydraulic and gear systems. This is required in particular in most agricultural tractors and excavators. It is suitable for wet brakes in power shift clutches and auxiliary drives.

## Quality classification

### Specification

- API GL-4
- DIN 51524-3 (HVLP-D)

### Approval

- ZF TE-ML 03E/17E/05F/21F

### Recommendation

- Allison C-4
- Caterpillar TO-2
- CNH MAT 3506, CNH MAT 3525
- CNH MS 1206, CNH MS 1210, CNH 410 B
- Deutz-Allis AC Power Fluid 821 XL
- FNHA 2-C-200.00
- Ford ESN-M2C86-B/-C, Ford ESN-M2C134-D
- John Deere J20 C, John Deere J21 A
- Massey Ferguson CMS M1135/M1141/M1143/M1145
- Renault 180596
- SDFG OT 1891 A
- Valtra G2-08
- VOLVO BM WB 101 (BM Valmet, AWB Achsen)
- White Farm (AGCO) Q-1802/Q-182616
- ZF TE-ML 06K/06R/06S

## Properties

- Very high and stable viscosity index
- Very low pour point
- High pressure absorption capacity
- High oxidation stability
- Excellent protection against corrosion, wear and foaming
- Favorable friction behavior in power shift clutches and auxiliary drives

## Technical specifications

| Properties | Data | Unit | Testing under |
|---|---|---|---|
| Kinematic Viscosity at 40°C | 58.8 | mm²/s | DIN 51659-2:2017-02 |
| Kinematic Viscosity at 100°C | 9.7 | mm²/s | DIN 51659-2:2017-02 |
| Viscosity Index | 149 | | DIN ISO 2909:2004-08 |
| Appearance | YELLOWBROWN | | VISUELL |
| Viscosity CCS at -25°C | 3450 | mPa*s | ASTM D 5293:2020 |
| Density at 15°C | 861 | kg/m³ | DIN EN ISO 12185:1997-11 |
| Pour Point | -36 | °C | ASTM D 7346:2015 |
| Total Base Number (TBN) | 9.7 | mgKOH/g | ASTM D 2896:2015 |

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