

## Unitrac Super Tractor Oil Universal (STOU) – 10W40

**Bardahl STOU - Unitrac** is a multifunctional oil for use in engine, transmission and hydraulic system. This versatile oil is mainly used for agricultural purposes.

This STOU oil meets the requirements of the various manufacturers of engines, gearboxes, cardan shafts and hydraulic systems.

In summary, **Bardahl Unitrac / STOU** has the following properties:

- a strong anti-wear, anti-corrosion, anti-foaming ability
- very good EP properties
- a very strong dispersing and deterging ability
- a high and stable viscosity index
- a very strong resistance to oxidation

This universal oil has been developed to use one oil for the lubrication of:

- gasoline engines
- diesel engines (with and without turbo)
- transmissions (also with wet brakes)
- hydraulic systems

Due to its unique composition, this oil is recommended for almost all hydraulic systems, transmissions, engines and wet braking systems of AGCO, Allis-Chalmers, Belarus, Case/International, Caterpillar, Ford, Hesston - Fiat, Idea, John Deere, Kobelco, Komatsu, Massey-Ferguson, New Holland, Oliver, Versatile, Wite Farm, etc.

### Specifications

ACEA - E3 | API - CG-4 | API - GL-4 | API - GL-5 (LOW SPEED/HIGH TORQUE) | API - SF/CE | DIN - 51524 T3 HVLDP | ALLISON - C4 (AGRICULTURE APPLIC.) | CASE - MAT 3525 | CASE - MAT 3526 | FORD - ESN-M2C134 C/D | FORD - FNH 82009203 | JD - J20C | JD - J27 | MF - M 1135 | MF - M 1139 | MF - M 1143 | MF - M 1144 | MF - M 1145 | NH - NH 024C | NH - NH 410B | NH - NH 420A | ZF - TE-ML 03A | ZF - TE-ML 05K | ZF - TE-ML 06A | ZF - TE-ML 06B | ZF - TE-ML 06C | ZF - TE-ML 07B | ZF - TE-ML 07D

### Analysis data

| SAE - class                 | Test       |                             | Average result |
|-----------------------------|------------|-----------------------------|----------------|
|                             | Method     | Unit                        | STOU - 10W30   |
| Viscosity at 100°C          | ASTM D445  | mm <sup>2</sup> /s at 100°C | 10.5           |
| Viscosity at 40°C           | ASTM D445  | mm <sup>2</sup> /s at 40°C  | 75             |
| Viscosity Index             | ASTM D2270 |                             | 145            |
| Viscosity at -25°C          | ASTM D5293 | mpa/s                       | 6500           |
| Sulphated Ash               | ASTM D874  | wt.%                        | 1.40           |
| TAN                         | ASTM D664  | mg KOH/g                    | 3.2            |
| tbn                         | ASTM D2896 | mg KOH/g                    | 10.7           |
| pourpoint                   | ASTM D6892 | °C                          | -36            |
| Color                       | ASTM D1500 |                             | 4.5            |
| Flashpoint                  | ASTM D92   | °C                          | 206            |
| Specific Gravity at 15/15°C | ASTM D4052 | g/ml                        | 0.880          |
| Noack Evaporation;          |            | wt.%                        | 14.0           |

**Analysis data**

| Test                                |            |                          | Average result |              |              |
|-------------------------------------|------------|--------------------------|----------------|--------------|--------------|
| SAE - class                         | Method     | Unit                     | stou-10w30     | STOU - 10W40 | STOU - 15W30 |
| Viscosity; mm <sup>2</sup> at 100°C | ASTM D445  | mm <sup>2</sup> at 100°C | 10.5           | 14.1         | 10.5         |
| Viscosity; mm <sup>2</sup> at 40°C  | ASTM D445  | mm <sup>2</sup> at 40°C  | 75             | 96           | 82           |
| Viscosity Index                     | ASTM D2270 |                          | 145            | 150          | 124          |
| Viscosity at -25°C                  | ASTM D5293 | mpa/s                    | 3500           | 3500         | 3500         |
| Sulphated Ash                       | ASTM D874  | wt.%                     | 1.40           | 1.40         | 1.40         |
| TAN                                 | ASTM D664  | mg KOH/g                 | 3.2            | 3.2          | 3.2          |
| tbn                                 | ASTM D2896 | mg KOH/g                 | 10.7           | 10.7         | 10.7         |
| pourpoint                           | ASTM D6892 | °C                       | -36            | -36          | -36          |
| Color                               | ASTM D1500 |                          | 4.5            | 4.5          | 4.5          |
| Flashpoint                          | COC        | °C                       | 206            | 220          | 212          |
| Specific Gravity at 15/15°C         | ASTM D4052 | g/ml                     | 0.880          | 0.875        | 0.885        |
| Noack Evaporation;                  |            | wt.%                     | 14.0           | Na           | 11.5         |

**10w40**

**Article number** 51655-10w40

**Contents** 5 liter

**Article number** 51682-10w40

**Contents** 25 liter

**Article number** 51686-10w40

**Contents** 60 litres

**Article number** 51692-10w40

**Contents** 210 litres