

# UTAH S140 LSP

**Mid SAPS-HC-Synthetic-Heavy Duty Diesel-Motor Oil 10W40**

## Description:

**UTAH S140 LSP** is a fuel-saving HC-Synthetic multigrade diesel engine oil of the latest generation. It was developed specifically for heavy duty diesel engines with EURO 5 standard with EGR and/or SCR and TIER 4 exhaust system (particle filter). It is also usable in Euro 3 and Euro 4 engines if required by the vehicle manufacturer. To keep the treatment systems functional and without interference, it is required to use an engine oil with Mid SAPS (Low Ash) technology.

The reduced content of sulphated ash, phosphorus and sulfur is ensured by the selection of base oils and specially developed "Mid SAPS" additive.

**UTAH S140 LSP** is designed for use in heavy duty vehicle with diesel engines under all operating conditions.

**UTAH S140 LSP** meets the requirements of European and North American vehicle manufacturers.

The ideal engine oil for mixed fleets, farms, construction machinery, shipping and other off-highway applications.

## Properties

- Mid Saps (Low Ash) technology
- Highest wear protection
- Exceptional ageing and oxidation stability
- Reduces formation of ageing products at high temperatures
- Meets or exceeds the latest exhaust emission requirements
- Excellent detergent- and dispersant characteristics
- Very good shear stability

## Effects

- Suitable for the new EURO 5 engine generation with EGR and / or SCR and TIER 4 exhaust system
- Excellent cold-starting performance
- Fuel economy
- Optimal operating reliability
- Reduces wear on catalytic converter and particulate filter
- Absolutely clean engines and particulate filters
- All-year operation
- Suitable for extended oil change intervals

## Suitable for/ we recommend this product for

|                                |                         |
|--------------------------------|-------------------------|
| SAE                            | 10W-40                  |
| API                            | CJ-4/CI-4 Plus//CI-4/SN |
| ACEA                           | E9/E7                   |
| We recommend this product for: |                         |
| CATERPILLAR                    | ECF-3/2/1-a             |
| CUMMINS                        | CES 20081               |
| DDC                            | 93K218                  |
| DEUTZ                          | DQC III-10 LA           |
| FORD                           | WSS-W2C171-E            |
| JOHN DEERE                     | JDQ-78X                 |
| MACK                           | EO-O Premium Plus       |
| MAN                            | M 3575, M 3275          |
| MB                             | 228.31                  |
| MTU                            | Type 2.1                |
| RENAULT VI                     | RLD-3                   |
| VOLVO                          | VDS-4                   |

## Utilization

- Commercial vehicle diesel engines
- aspirated engines
- with multivalve technology
- with turbo charging
- with particulate filter
- with catalyst technology
- with EGR technology
- with SCR technology
- Passenger car diesel engines
- with multivalve-technology
- with turbo charging
- with and without particulate filter
- with catalyst technology
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- Passenger car petrol engines
- with multivalve technology
- with turbo charging
- with catalyst technology

## Disposal:

- **UTAH S140 LSP** is assigned to category 2 of used oils and thus is free for disposal.

## Miscibility:

- **UTAH S140 LSP** is only miscible with comparable lubrications and well tolerated. However, it is recommended to take only **UTAH S140 LSP** when refilling.

**UTAH S140 LSP**

| <b>Article No.</b> | <b>Packaging unit</b> |        |
|--------------------|-----------------------|--------|
| 1209 935           | Can                   | 20 L   |
| 1209 936           | Drum                  | 60 L   |
| 1209 938           | Drum                  | 200 L  |
| 1249 939           | PE-Container          | 1000 L |

**Typical characteristics:**

|                            |                    |      |
|----------------------------|--------------------|------|
| Specific weight at 15°C    | kg/m <sup>3</sup>  | 867  |
| Dynamic viscosity at -25°C | mPa.s              | 6800 |
| Viscosity at 40°C          | mm <sup>2</sup> /s | 102  |
| Viscosity at 100°C         | mm <sup>2</sup> /s | 14,3 |
| Viscosity index            |                    | 144  |
| Flash point COC            | °C                 | 232  |
| Pourpoint                  | °C                 | -36  |
| Sulphate ashes             | %                  | 0,95 |
| Sulphur content            | mass. %            | 0,39 |
| Phosphorus content         | mass. %            | 0,12 |
| TBN                        | mgKOH/g            | 9,1  |

