



## TITAN UNIVERSAL HD SAE 15W-40

High-performance Engine Oil for mixed fleets operated under normal conditions. Good performance in normally aspirated and turbocharged diesel engines.

### Description

TITAN UNIVERSAL HD 15W-40 is the ideal universal engine oil for mixed fleets which should, if possible, be operated on **one** type of engine oil. During the development of TITAN UNIVERSAL HD 15W-40, a special emphasis was given to excellent performance in normally aspirated and turbocharged diesel engines.

### Application

TITAN UNIVERSAL HD 15W-40 can be safely used in older engines. Prior flushing is not necessary. In addition to the rationalization which this product allows, TITAN UNIVERSAL HD 15W-40 also ensures that the optimum operating viscosity is maintained at all times, thus reducing power loss and fuel consumption and in turn increasing efficiency. The use of high-capacity by-pass oil filters with TITAN UNIVERSAL HD 15W-40 may also allow oil and filter change intervals to be harmonized. Transmissions with wet brakes are not to be filled with TITAN UNIVERSAL HD 15W-40. TITAN UNIVERSAL HD 15W-40 is miscible and compatible with conventional branded engine oils. However, mixing with other engine oils should be avoided in order to fully utilize the product's benefits. A complete oil change is recommended when converting to TITAN UNIVERSAL HD 15W-40. For information on product safety and proper disposal please refer to the latest Material Safety Data Sheet.

### Advantages/Benefits

- Protection against wear event at continuous full-power operation.
- Protection against coking, lacquering, gumming and sludging at extremely high operating temperatures.
- Protection against "bore polishing" and corrosion.
- Minimal oil consumption
- Transmission and hydraulic systems in vehicles and industrial machinery which should be run on Heavy Duty SAE 15W, 15W-30, 15W-40, 20W-20, 20W-30, 20W-40 and 30 engine oils can be operated on TITAN UNIVERSAL HD 15W-40 with excellent results.

### Specifications

- ACEA A3/B3/B4
- API CG-4/CF/SL

### Approvals

- DEUTZ DQC I-02
- MAN 271
- MB-APPROVAL 228.1 / 229.1
- MTU DDC TYPE-2

### FUCHS Recommendations

- ACEA E2
- MIL-L-2104 E
- ALLISON C-4
- CASE MS 1120
- DAF
- MACK EO-L
- NH 330 G
- SCANIA
- STEYR A-202
- VOLVO VDS
- VW 501 01/505 00

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## CHARACTERISTICS

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Density at 15 °C	DIN 51757	0.884 g/ml
Kinematic Viscosity at 40°C	DIN 51562-1	107.0 mm <sup>2</sup> /s
Kinematic Viscosity at 100°C	DIN 51562-1	14.6 mm <sup>2</sup> /s
Viscosity-Index	DIN ISO 2909	141
Flash Point, CoC	DIN ISO 2592	230 °C
Pour Point	DIN ISO 3016	-37 °C

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We therefore recommend that you consult a FUCHS EUROPE SCHMIERSTOFFE GMBH application engineer to discuss application conditions and the performance criteria of the products before the product is used. It is the responsibility of the user to test the functional suitability of the product and to use it with the corresponding care.

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