



TITAN UNIVERSAL HD SAE 15W-40

High Performance multi-grade oil for mixed fleets operated under normal conditions. Good performance in normally aspirated and turbocharged diesel engines.

Description

TITAN UNIVERSAL HD SAE 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 SAE 15W-40, a special emphasis was given to excellent performance in normally aspirated and turbo-charged diesel engines.

Application

TITAN UNIVERSAL HD SAE 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 SAE 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 bypass oil filters with TITAN UNIVERSAL HD SAE 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 SAE 15W-40.

Advantages/Benefits

- Protection against wear event at continuous full-power operation.
- Protection against coking, lacquering, gumming and sludge 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 SAE 15W-40 with excellent results.

Specifications

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

Approvals

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

FUCHS Recommendations

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

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While the information and figures given here are typical of current production and confirm to specification, minor variations may occur. No warranty expressed or implied is given concerning the accuracy of the information or the suitability of the product

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CHARACTERISTICS

Density @ 35 °C	0,874	g/ml	ASTM D 4052
Flash Point, CoC	230	°C	ASTM D 92
Pour Point	-30	°C	ASTM D 97
Kinematic Viscosity @ 40 °C	108	mm ² /s	ASTM D 445
Kinematic Viscosity @ 100 °C	14,3	mm ² /s	ASTM D 445
Viscosity Index	133	-	ASTM D 2270
Dynamic Viscosity @ – 20 °C	6650	cP	ASTM D 5293
TBN	8	mg KOH/g	ASTM D 2896

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