



## TITAN UNIVERSAL CI, SAE 20W-50

High Performance oil for a variety of diesel and gasoline engines. Especially for highly loaded old commercial vehicle diesel engines.

### Description

TITAN UNIVERSAL CI SAE 20W50 is Super High Performance (SHPD) lubricant for the use of super-heavy trucks, buses, vans and heavy duty construction equipment, engines and equipment for mining, motorized farm equipment, fishing boats passenger cars etc. It provides appropriate lubrication for both diesel fuel engines and gasoline engines equipped with an exhaust turbocharger. TITAN UNIVERSAL CI SAE 20W50 CI-4 carries convenience for fleet operators for the use of a single motor oils for all types of vehicles with diesel & gasoline engines.

### Quality features:

- Reduced piston deposits
- Protection against cylinder bore polishing
- Reduced oil consumption
- Reduced filter plugging
- Less oil oxidation and thickening
- Neutralizes corrosive acids

### Application

TITAN UNIVERSAL SAE 20W50 CI-4 is recommended for the old engines use, where appropriate API CI-4 or lower oils are recommended by the manufacturer.

TITAN UNIVERSAL SAE 20W50 CI-4 is compatible with all types of lubricants blended with mineral base oils without need to flush or rinse.

### Specifications

**API CI-4/SL**  
ACEA E7-12 (2012)  
GLOBAL DHD-1  
CAT ECF-1-a/ECF-2  
CUMMINS CES 20076/7/8  
DEUTZ DQC III 10  
MAN M 3275  
MB-APPROVAL 228.3  
MTU Type-2  
RENAULT RLD-2  
VOLVO VDS-3  
Detroit Diesel DDC 93K215  
Mack EO-N, EO-M Plus

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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

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Density @ 29.5 °C	0.869	g/ml	ASTM D 4052
Flash Point, CoC	246	°C	ASTM D 92
Pour Point	-27	°C	ASTM D 97
Kinematic Viscosity @ 40 °C	156	mm <sup>2</sup> /s	ASTM D 445
Kinematic Viscosity @ 100 °C	18.6	mm <sup>2</sup> /s	ASTM D 445
Viscosity Index	135	-	ASTM D 2270
Apparent Viscosity @ - 15 °C	8200	cP	ASTM D 5293
TBN	10.6	mg KOH/g	ASTM D 2896

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