



ORLEN
OIL

ORLEN OIL ULTOR MAX 5W-40

General features

Highest quality, full synthetic engine oil intended for diesel engines especially in huge trucks, building equipment and buses, which operating in very hard conditions.

It provides:

- excellent properties at low temperatures,
- maximal engine power in very hard conditions,
- engine cleanness with no need to keep black carbon in the suspension,
- decrease fuel and oil consumption,
- stable oil quality,
- long live of engine,
- extended interchange period,
- reduced operating costs for fleet of motor vehicles,
- environment protection.

Application

ORLEN OIL Ultor Max 5W–40 first of all is intended for modern diesel engines meeting requirements Euro VI and Euro V equipped with SCR catalysts. Unique composition of the highest quality synthetic base oils and enriching additives guarantee breakdown free operation of the engine in the most difficult conditions and constant oil parameters even with extremely long interchange periods. It meets the EPA Tier I and II standards in range of NOx and PM (particulate matter).

Quality class

API: CK-4, SN
ACEA: E9, E11

Viscosity grad

SAE: 5W-40

Standards, approvals, specifications

DTFR 15C100,
Volvo VDS-4.5,
Renault RLD-3,
Mack EOS-4.5

Meet requirements:

MAN M 3275,
MAN M 3775,
MTU Type 2.1,
Caterpillar ECF-2, ECF-3,
Detroit Diesel 93K222,
Cummins CES 20086,
Deutz DQC III-18LA,
FORD WSS-M2C171-F1



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Physical and chemical properties

Parameters	Unit	Typical values
SAE viscosity grade	-	5W-40
Kinematic viscosity at 100 °C	mm ² /s	14,2
Viscosity index	-	165
Pour point	°C	- 40
Flash point	°C	233
Base number TBN	mg KOH/g	11,6
Sulphated ash	%	0,98
Noack volatility	% (m/m)	11,5
Note: Physicochemical parameters listed in the table are typical values. Real values are stated in quality control certificates attached to each production batch.		

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