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Part of the PANOLIN concepts



## PANOLIN BIOMOT LE-X 5W-30

**LowSAPS diesel engine oil – readily biodegradable, saturated synthetic esters**

Environmentally Considerate Lubricant (ECL)/Environmentally Acceptable Lubricant (EAL)

### Features and benefits

- Fully synthetic, readily biodegradable and long-life engine oil, based on saturated synthetic esters for the latest diesel engines
- Diesel engine oil with extremely low sulphate ash, phosphor and sulphur content
- The combination of synthetic base oils with special additive technology ensures extremely low oil consumption
- Reduces friction and wear
- CO<sub>2</sub> reduction due to extended oil-change and service intervals
- Excellent oxidation resistance at high temperatures
- Outstanding anti-wear and anti-corrosion properties
- Good lubricating film stability
- Minimally toxic

### Applications (follow manufacturer's instructions)

- Ideal all-season oil for high-performance diesel engines with or without supercharging

### Environmental compatibility

It is decomposed by micro-organisms in water and/or soil almost without any residues.

- Biodegradability acc. to OECD 301 B: > 60%
- Water hazard classifications acc. to AwSV: WGK 1



### Specifications

ACEA E6, E7, E9  
API CJ-4, CK-4

### Performance level (meets requirements for product approval, but has no specific manufacturer approval)

CAT ECF-3  
MAN M 3477, M 3677  
Mercedes-Benz 228.51  
MTU oil category 3.1  
Renault RLD-3  
Volvo VDS-4

### Technical data (mean values, subject to normal tolerances)

PANOLIN BIOMOT LE-X	Product No.	Density g/cm <sup>3</sup> 15 °C	Viscosity in mm <sup>2</sup> /s 40 °C    100 °C	Flashpoint COC in °C	Pour point in °C	Viscosity index
SAE 5W-30	07410	0.928	63.6    12.1	228	- 60	191

### Instructions

Please refer to the drum label, or for detailed information, to the safety data sheet – available from PANOLIN.  
Before changing over to PANOLIN, please ask for our instructions.