

# MAK PLATINUM PRO 10W-30

Premium Engine Oil Designed with Synthetic Technology for Ultra-Low Emission Diesel Engines

MAK PLATINUM PRO 10W-30 is a top tier low ash diesel engine oil designed with synthetic technology for latest generation ultra-low emission BS VI vehicles fitted with after treatment devices such as Diesel Particulate Filters (DPFs), Exhaust Gas Recirculation (EGR) and Selective Catalytic Reduction (SCR) devices etc. It is specially designed for robust engine performance and longer oil life. This oil has the potential to offer fuel economy benefits. MAK PLATINUM PRO 10W-30 exhibits superior soot handling capabilities and outstanding control over soot induced thickening.

## Applications:

MAK PLATINUM PRO 10W-30 is recommended for use in new generation heavy duty buses, trucks and off highway vehicles meeting BS VI emission norms. This oil is backward compatible and can also be used wherever API CJ-4 / CI-4 Plus / CI-4 engine oil is recommended.

## Performance/ Benefits:

**Enhanced Protection to After-treatment Devices (ATD)-** offers protection to ATDs to enable them to perform efficiently.

**Fuel Economy Benefits-** lower viscometry formulation can potentially offer fuel economy benefits over conventional 15W-40 grade without compromising engine durability.

**Outstanding Protection against Oxidation and Oil thickening-** offers excellent resistance to oil breakdown and deposit formation under high temperatures and pressure in modern engines. Controls oil thickening to ensure protection at elevated temperatures. Extends oil life.

**Outstanding Wear Protection-** offers superior wear protection to engines, even at higher speeds and temperatures, ensures longer engine life and reduced maintenance cost. Improves durability and reliability of engine.

**Excellent Soot Handling Capability-** excellent capability to handle higher soot levels occurring in engines fitted with EGR technology. Increases oil filter life.

**Excellent Low Temperature Flow and Quick Start-up-** excellent oil flowability ensures outstanding engine protection in all weather conditions and quick start-up.

## Performance Level/ Specification:

Meets the performance benchmarks of

- API CK-4
- ACEA E9
- MB 228.31
- VDS 4.5
- Cummins 20086
- Caterpillar ECF 3
- Mack EOS-4.5
- Renault RLD-4

## Physico-Chemical Data

Characteristics	Method	Value
SAE Grade	SAE J300	10W-30
Color	Visual	Brown
Appearance	Visual	Clear
Density @29.5°C, g/cc	ASTM D1298	0.855
Kinematic Viscosity @40°C, cSt	ASTM D445	82.5
Kinematic Viscosity @100°C, cSt	ASTM D445	12.0
Viscosity Index	ASTM D2270	140
Copper Corrosion, 100°C, 3 hrs.	ASTM D130	1a
Flash Point, °C	ASTM D92	240
Pour Point, °C	ASTM D97	-30
Foaming tendency a) Sequence I b) Sequence II c) Sequence III	ASTM D892	Nil/Nil 10/Nil Nil/Nil

## Storage & Handling:

The product should be stored inside. Keep it properly sealed to avoid contamination. Avoid freezing and store under protected storage conditions.

## Health & Safety:

It is unlikely to be hazardous when properly used in recommended applications. Contamination of the oil from other oils, greases, chemicals, dirty water etc. can occur during the use. It should be avoided. Regular monitoring of the in-use product is recommended