



THE INNOVATIVE AUSTRALIAN

Product Data Sheet

Topline

Platinum Plus

Top Tier, Extra Heavy-Duty CK-4 Diesel Engine Oil

Topline Platinum Plus is a top-tier CK-4 engine oil ideally suitable for server service equipment including high torque, high load applications found in Mining, Earthmoving, Forestry, Harvesting, Line Haul with multi-trailer combinations and Power Generation units.

Its advanced additive technology provides improved fuel economy, unparalleled shear stability and oxidation stability. Its precision lubrication chemistry has resulted in this cutting-edge diesel engine oil to provide greater lubricant life and protection of all moving parts from wear and soot damage. This advanced formulation allows extended oil drain intervals compared to conventional CK-4 and CJ-4 diesel engine oils.

Topline Platinum Plus is a heavy-duty diesel engine lubricant that not only meets but genuinely exceeds all requirements of high speed, turbocharged European, American and Japanese design emission engines.

Any oil drain extension should be carried out in conjunction with an approved oil analysis program.

This includes those engines which incorporate Selective Catalytic Reduction (SCR), Exhaust Gas Recycling (EGR) and Diesel Particulate Filters (DPF) and full electronic management of fuel and emissions systems to provide fuel efficiency, high wear protection, long drain capability and optimisation of the EGR system life thereby decreasing the maintenance costs.

Exceptional Oxidation Control maintains the highest levels of cleanliness around the pistons and linings and in engines with turbochargers Topline Platinum provides superb oxidation and outstanding diesel engine wear control.

Outstanding Shear Stability dramatically improves engine combustion pressures and provides a better ring seal helping fuel economy, engine cleanliness and extends engine oil life. Higher shear stability also allows the oil to adapt to increased pressure and temperatures and provides better primary and secondary lubrication of vital engine components.



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Product Code: 2006

Product Size: 20L, 205L, 1000L

Summary of Benefits:

- Reduced operating costs are often achieved through fuel savings and extended service intervals
- Exhibits exceptional soot dispersion and wear control through greater oxidation stability
- Contaminants are controlled and shear stability maintained leading to extended drain intervals
- Maximises vehicle utilisation and reduces downtime
- Controls oil thickening leading to improve fuel consumption
- Enhances engine power by reducing piston and ring deposits
- Optimises the Exhaust Gas Recycling (EGR) system life and Diesel Particulate Filter (DPF) life, decreasing your maintenance costs and downtime
- Suitable for use with Bio Diesel subject to OEM oil drain intervals

Specifications and Approvals:

- | | |
|-----------------------------------|------------------------------------|
| ▪ API: CK-4/ CJ-4/CI-4 +/CI-4, SN | ▪ Caterpillar: ECF-3 |
| ▪ SAE Viscosity: 15W-40 | ▪ JASO: DH-1,2 |
| ▪ ACEA: E9 – 16 | ▪ MAN: M 3575, 3775 |
| ▪ Volvo: VDS-4.5 | ▪ Mercedes Benz: MB 228.3 & 228.31 |
| ▪ Mack: EOS- 4.5 | ▪ MTU: Category 2.1 |
| ▪ Cummins: CES 20086 | ▪ Renault: RLD-4 |
| ▪ Detroit: DDC Power Guard 93K222 | ▪ Ford: WSS-M2C171-F1 |
| ▪ Deutz DQC III-10LA | ▪ Allison: TES 439 |

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Typical Characteristics:

Density at 15°C (kg/L)	0.87
Flash Point COC (°C)	210
Pour Point (°C)	-32
Kinematic Viscosity at 40°C mm ² /s (cSt)	122.9
Kinematic Viscosity at 100°C mm ² /s (cSt)	15.7
Viscosity Index	135
TBN, ASTM D2896 (mg KOH/g)	9
Sulphated Ash (%)	<1.0

*Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute a legal liability.

Storage:

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C.

Health, Safety and Environment:

A Safety Data Sheet (SDS) is available for each product. Users should consult the SDS, and follow the precautions outlined and comply with all laws and regulations concerning its use and disposal. Used packaging material should not be incinerated or exposed to flame. After use, protect your environment. Do not pollute drains, soil or water with used product.

The Safety Data Sheet is available at Royal Precision Lubricants website www.royallubricants.com.au or by email: info@royallubricants.com.au

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