

LOW EMISSION DISTILLATE HP

DESCRIPTION

Shell Low Emission Distillate HP is a high performance, low sulphur grade automotive diesel fuel for use in high speed diesel engines in underground mining applications. It's very low sulphur content and use of a USEPA registered additive package are the key contributors to the reduction of particulate and noxious gas emissions. It does not suffer from loss of density, viscosity and cetane that is often associated with these low sulphur grades. Therefore engine performance will be comparable to that obtained on commercial quality distillate. Coupled with the emission benefits of a very low sulphur level are also the benefits in carbon monoxide, hydrocarbon and soot particulate emissions reduction achieved with the incorporation of the latest technology multi-function additive package in this fuel.

PERFORMANCE FEATURES

Shell Low Emission Distillate HP meets the requirements of Australian National Fuels Quality Standards Act 2000 and the requirements of the NSW Coal Mine Health and Safety Act 2002, Clause 73(1)(a) of the Coal Mine Health and Safety Regulation 2006 for Diesel fuel used in underground mine operations (Amended January 2007). In addition the fuel also meets the requirements of The Western Australia Environmental Protection (Diesel and Petrol) Regulations 1999, and Queensland EPA Regulation No: 3 – 2000.

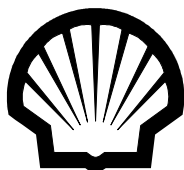
SUMMARY OF BENEFITS

Shell Low Emission Distillate HP contains a lubricity additive pack to ensure fuel systems are protected from wear in this very low sulphur fuel. In addition to lubricity, additives are included in the form of detergency, corrosion prevention and antifoam to further enhance the fuel's performance, and reduce regulated exhaust emissions.

HEALTH & SAFETY

It is unlikely to present any significant health or safety hazard when properly used in the recommended application. For further guidance on Product Health & Safety refer to the appropriate Shell Material Safety Data Sheet (MSDS).





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TYPICAL CHARACTERISTICS

DESCRIPTION	METHODS	SPECIFICATIONS
Appearance	ASTM D4176	Visually clear and free from undissolved water or sediment.
Colour	ASTM D1500	Green.
Additive		USEPA registered performance additive.
Density @ 15°C	ASTM D1298/D4052	820.0 to 850.0 kg/m ³
Ash	ASTM D482	100 mg/kg max..
Carbon Residue (on 10% residuum)	ASTM D189/D4530	0.2 % mass max.
Cetane Index	ASTM D4737	46.0 min.
Copper Corrosion (3h @ 100°C)	ASTM D130	1 max.
Distillation (95% rec.)	ASTM D86	360°C max.
Flash Point	ASTM D93	64.0 min.
Oxidation Stability	ASTM D2274	25 mg/L max.
Sulphur	ASTM D2622, IP336	10 mg/kg max.
Water	ASTM D95	0.05% max.
Sediment	ASTM D473	0.01% mass max.
Viscosity @ 40°C	ASTM D445	2.00 to 4.50 mm ² /s
Lubricity (HFRR test)	IP 450	460 microns max.

Document Information

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