

Balmerol[®] Ultima 15W-40 CI-4

Premium Quality Heavy Duty Diesel Engine oil

Product Data Sheet

Product Description

Balmerol Ultima is a premium quality, high performance diesel engine oil recommended for heavy duty on and off-highway vehicles operating under severe conditions. It is especially formulated with proprietary additive technology to meet the needs of ultra-modern, high output, low emission diesel engines. It exhibits excellent soot handling properties better than API CH-4 oils, lower oil consumption, better rust & wear protection leading to extended drain intervals as compared to earlier API service categories.

Balmerol Ultima meets the following specifications:

- ✓ API Service Category CI-4 / SL
- ✓ Global DHD-1
- ✓ JASO DH-1
- ✓ ACEA E7-16, A3/B4-16
- ✓ Caterpillar ECF-2, ECF-1a
- ✓ MB 228.3
- ✓ Cummins CES 20076/ 77/ 78
- ✓ Volvo VDS-3
- ✓ Deutz DQC-III, DQC-II
- ✓ MAN 3275
- ✓ Mack EO-N, EO-M plus, EO-M
- ✓ MTU type 2.0
- ✓ Renault RLD-2
- ✓ DDC 93K215, 93K214

Feature and Benefits

- Excellent resistance to oxidation and thermal degradation
- Higher TBN reserve
- Clean performance at high temperature operation and less generation of sludge
- Longer Oil Drain Interval (ODI) and better engine protection
- Better ability to handle sludge and soot generated in the engine

Applications

Balmerol Ultima is recommended for use in high speed, four stroke modern high output, low emission engines including those with Exhaust Gas Recirculation (EGR). Recommended for use in all modern diesel engines which are fitted with latest generation after treatment devices to meet EURO 4 emission norms. Suitable for high performance turbocharged / naturally aspirated high performance diesel engines found in off-highway applications. Especially suited for Caterpillar, Cummins and Komatsu engines.

Availability

Balmerol Ultima is available in Drum and Pail

Technical Data

Balmerol Ultima 15W-40 CI4			
No	Characteristics	Method	Specification
1	Appearance	Visual	Dark brown
2	Density		0.8902
2	Kinematic Viscosity @ 100 ^o C, cSt	ASTM D-445	14.70
3	Kinematic Viscosity @ 40 ^o C, cSt	ASTM D-445	106.7
4	Viscosity Index	ASTM D-2270	132.9
5	Flash point, COC, ^o C	ASTM D-92	230
6	Total base number, TBN, mg KOH/g	ASTM D- 2896	10.5
7	Foaming tendencies / stabilities		
	a)	Sequence I, ml	5 / 0
	b)	Sequence II, ml	25 / 0
	c)	Sequence III, ml	5 / 0
8	Pour point, ^o C	ASTM D-97	(-) 24

Health and Safety

Balmerol Ultima is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed.

For further information, contact:

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