

Balmerol® Ultima Plus

Premium Quality Heavy Duty Diesel Engine Oil (API CI-4 Plus)

Technical Data Sheet

Product Description:

Balmerol Ultima Plus 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 CI-4 oils, lower oil consumption, better rust & wear protection leading to extended drain intervals as compared to earlier API service categories.

Balmerol Ultima Plus is a multigrade engine oil conforming to **SAE 15W-40** viscometrics.

Balmerol Ultima Plus **meets** the following specifications:

- API Service Category CI-4 Plus / CI-4/ SL, CH-4/ CG-4
- ACEA E-7
- MB 228.3
- Volvo VDS-3
- MAN 3275
- Mack EO-N Premium Plus
- Cummins CES 20076/ 77/ 78
- Caterpillar ECF – 2

Balmerol Ultima Plus is manufactured based on Balmer Lawrie's proprietary **DEKATROL** technology.



Ten point advantage through balanced formulation

Features & Benefits:

Excellent resistance to oxidation and thermal degradation

Clean performance at high temperature operation and less sludge generation

Longer Oil Drain Interval (ODI) and better engine protection

Higher TBN reserve

Better ability to handle sludge and soot generated in the engine.

Balmerol Ultima Plus has better soot handling capability (higher %) than API CI-4 oils and leads to lower sludge formation, longer engine life.

Applications / Recommendations:

Balmerol Ultima Plus 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

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engines which are fitted with latest generation after treatment devices to meet EURO III and EURO IV 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.

Typical Properties:

Balmerol Ultima CI-4 Plus	
Properties	Ultima CI-4 Plus
Appearance	Brownish
SAE Viscosity Grade	15W-40
Viscosity, ASTM D 445, cSt @ 100°C	14.0 - 16.0
Viscosity Index, ASTM D 2270	125
Density @ 29.5 °C, gm/cc, ASTM D 1298	0.863
Pour Point, °C ASTM D 97	-27 max
Flash Point, °C ASTM D 92	215
TBN, mg KOH/g, ASTM D 2896	10.5
Sulphated Ash, % by weight, ASTM D 874	1.35
Foam stability after 10 min. of settling time, quantity of foam, ml. max	
a) at 24 °C	Nil
b) at 93.5 °C	Nil
c) at 24 °C after test at 93.5 °C	Nil
Noack Evaporation Loss, % max. (ASTM D 5800)	5
CCS @ -20 °C, cP (ASTM D 5293)	7000 (typical)

Health and Safety:

Balmerol Ultima Plus 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 MSDS please contact your local Balmer Lawrie Marketing / Technical Service team.

For Further Information, contact:

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