

# Balmerol® Ultima CI-4 15W-40

Premium Quality Automotive Diesel Engine Oil

Technical Data Sheet

## Product Description:

Balmerol Ultima CI-4 15W-40 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 new generation additive technology to meet the needs of ultra modern high output low emission diesel engines and exhibits excellent soot handling properties, oil consumption control, rust & wear protection leading to extended drain intervals as compared to earlier API service categories. The product also meets the requirement of gasoline engines, API SL performance level.

Balmerol Ultima CI-4 15W-40 **meets** the following specifications:

- API Service Category CI-4 / SL, CH-4/ CG-4/ CF-4
- ACEA E-7
- MB 228.3 / 229.1
- Volvo VDS-3
- MAN 3275
- Mack EO-M Plus
- MTU Category 2
- Global DHD-1

## Features & Benefits:

Excellent resistance to oxidation and thermal degradation

Clean performance at high temperature operation and less generation of sludge.

Longer Oil Drain Interval (ODI) and better engine protection

Higher TBN reserve

Better ability to handle sludge and soot generated in the engine

## Applications / Recommendations:

Balmerol Ultima CI-4 15W-40 is recommended for use in high speed four stroke modern high output, low emission engines including those with Exhaust Gas Recirculation (EGR) and meeting EURO III and EURO II emission norms. Recommended for use in all modern high duty on highway and off highway diesel engine vehicles where API CI-4 / CH-4 / CG-4 and CF-4 oils are recommended.

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## Typical Properties:

Balmerol Ultima CI-4 15W-40	
Properties	Ultima CI-4 15W-40
Appearance	Clear, bright and free from turbidity & sediment
SAE Viscosity Grade	15W-40
Viscosity, ASTM D 445, cst @ 100°C	14.0 - 15.5
Viscosity Index, ASTM D 2270	130
Pour Point, °C ASTM D 97	-24 max
Flash Point, °C ASTM D 92	210
TBN, mg KOH/g, ASTM D 2896	10
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)	6500 (typical)

## Health and Safety:

Balmerol Ultima CI-4 15W-40 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:

**Balmer Lawrie & Co. Ltd.**  
SBU: Greases & Lubricants (G&L) Division  
P- 43, Hide Road Extension  
Kolkata: 700088  
www.balmerlawrie.com