

Balmerol® Excel Turbo CH-4 15W-40

High Performance Diesel Engine Oil

Technical Data Sheet

Product Description:

Balmerol Excel Turbo CH-4 15W-40 is a premium quality high performance diesel engine oil. Balmerol Excel Turbo CH4 15W-40 is blended from selected base stocks and fortified with proprietary additive system to meet the performance level for different standards.

Balmerol Excel Turbo CH-4 15W-40 **meets** the following specifications:

- API Service Category CH-4/ CG-4/ CF-4 / CF / SJ
- ACEA E5 / E3
- MB 228. 3
- Volvo VDS 2
- Mack EO M plus
- Renault RD 2
- MTU Category 2
- MAN 3275
- Cummins CES20076
- Caterpillar ECF-1-a

Balmerol Excel Turbo CH4 15W-40 is manufactured based on Balmer Lawrie's proprietary **DEKATROL** technology.



Ten point advantage through balanced formulation

Features & Benefits:

Very good 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

Effective soot handling

Better ability to handle sludge and soot generated in the engine

Applications / Recommendations:

Balmerol Excel Turbo CH-4 15W-40 is ideal for new generation turbo charged, heavy duty on-highway / off-highway engines operating under low emission norms.

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Typical Properties:

Balmerol Excel Turbo CH-4 15W-40	
Properties	Excel Turbo CH-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	125 - 135
Density @ 29.5 °C, gm/cc, ASTM D 1298	0.860
Pour Point, °C ASTM D 97	-27
Flash Point, °C ASTM D 92	200
TBN, mg KOH/g, ASTM D 2896	10
Sulphated Ash, % by weight, ASTM D 874	1.3
Foam stability after 10 min. of settling time, quantity of foam, ml, max	
a) at 24 °C	0/0
b) at 93.5 °C	20/0
c) at 24 °C after test at 93.5 °C	0/0
CCS @ -20 °C, cP (ASTM D 5293)	7000 (typical)

Health and Safety:

Balmerol Excel Turbo CH-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:

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