

Bonney Energy 400 15W40 Multigrade Engine Oil

PRODUCT DESCRIPTION:

Bonney Energy 400 15W40 Multigrade Engine Oil

is formulated using the latest technology base oils for use in heavy duty diesel engines operating in the harsh Australian conditions. The very high dispersant, anti-wear formulation exceeds the requirements of API CJ-4. This lubricant is specifically designed to meet the requirements of the latest low emission US engines with cooled EGR, as well as Caterpillar ACERT engines and Volvo engines requiring the latest VDS-4 specification.

Bonney Energy 400 15W40 Multigrade exceeds many international specifications for top performance and long service life in four stroke turbo-charged and normally aspirated diesel engines. It assists in reducing soot thickening in the latest US low emission engines.

Bonney Energy 400 15W40 Multigrade is uniquely formulated to promote the highest standards of engine cleanliness in modern highly stressed turbo-charged engines. It very effectively controls and inhibits bore polishing tendencies, high oil consumption rates and premature wear. The excellent performance of **Bonney Energy 400 15W40 Multigrade** minimises the formation of damaging deposits in ring grooves and land areas, particularly the quench top ring belt areas of 'tight piston' engines.

The special balance of over-based alkaline reserve additives (TBN components) in **Bonney Energy 400 15W40 Multigrade** effectively neutralises acidic combustion by-products caused by the sulphur content in fuel (especially diesel fuel). This helps reduce the corrosion of critical engine components and the otherwise catastrophic effects these by-products have on oil.

SPECIFICATIONS:

***Bonney Energy 400 15W40 Multigrade** meets or exceeds the following demanding performance requirements:*

API: CJ-4, CI-4 PLUS, CI-4, CH-4, CG-4, CF-4

API: SN, SM, SL

ACEA: E9, E7

EURO emission requirements: I, II, III, IV, V, VI

OEMs:	CAT ECF-3, ECF-2, ECF-1-A	Cummins CES 20081
	Detroit Diesel PGOS 93K218	Deutz DQC III-10 LA
	Mack EO-O Premium Plus	Mercedes Benz MB 228.31
	M.A.N. M3575	MTU Type 2.1
	Renault RVI RLD-3	Volvo VDS-4

Allison C4 Transmission Test Demonstration Program
JASO DH-2 Demonstration Program
Suitable for Detroit Diesel

Always consult your vehicle owner's manual for the manufacturer's recommendations.

TYPICAL PROPERTIES		
Property	ASTM Method	Typical Results
Density (kg/m ³)	D-1298	0.876
Viscosity (cSt) @ 100°C	D-445	14.8
@ 40°C	D-445	116
CCS (cP) @ -20°C	D-5293	5820
Viscosity Index	D-2270	132
HTHS (cP)	D-4683	4.05
Flash Point COC (°C)	D-92	235
Pour Point (°C)	D-97	-33
Sulphated Ash (% wt)	D-874	1.0
TBN (mg KOH/g)	D-2896	9.4
Phosphorus (% wt)	D-4951	0.115
Sulphur (% wt)	D-4951	0.3
Zinc (% wt)	ICP	0.127
Calcium (% wt)	ICP	0.121
Magnesium (% wt)	ICP	0.083

"Bonney Energy has endeavoured to ensure that all information, representations and specifications contained in this product data sheet are accurate at the time of publication. This general information should be used in conjunction with appropriate inquiries by users of the product including consultation with the vehicle or equipment manufacturers published information.

It is the responsibility of users of the product to use the product safely. Users should consult the safety data sheets for each product at <https://www.bonneyenergy.com.au>. Bonney energy takes no responsibility for injury or damage if the product is used in an inappropriate or unsafe manner.

Our product warranty and product quality statement can be viewed at <https://www.bonneyenergy.com.au/>

Pack Sizes: 10L, 5L and 1L.

Item code BE400

Effective: February 2024

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TYPICAL PROPERTIES

Property	80W/90
Product Code (BE-)	8090
Appearance	Natural
Density (kg/Lt) @ 15°C	0.889
Viscosity (cSt) @ 40°C	156
@ 100°C	15.8
Viscosity Index	104
Pour Point (°C)	-33
Copper Strip Corrosion - 3 hrs @ 100°C	1b
Flash Point; COC (°C)	250
Carbon Residue, Conradson (%)	0.39
Foaming characteristics - Sequence I, After Settling	Nil
Sequence II, After Settling	Nil
Sequence III, After Settling	Nil
Thermal Oxidation Stability (CRC L60)	Pass
Phosphorus (% wt)	0.054

Available in: 200 Litres

Effective: September 2022

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