

## All Fleet Plus™ E900 15W-40

All Fleet Plus™ E900 15W-40 is the latest generation heavy duty diesel engine oil formulated to provide enhanced oxidation control and shear stability demanded in modern diesel engines operating under a wide variety of service conditions, including engines with diesel particulate filters (DPF), selective catalytic reduction (SCR) and cooled exhausted gas recirculation (EGR).

All Fleet Plus™ E900 15W-40 is blended with premium base stocks and latest generation additive chemistry to achieve the following benefits: high temperature piston deposit control, foam protection, soot dispersancy and oil-thickening control, oxidation inhibition, low temperature sludge protection, corrosion and rust inhibition, valve train wear protection and TBN retention.

All Fleet Plus™ E900 15W-40 is backwards compatible with older engines calling for Cummins CES20081 and/or CES20078, Detroit Diesel 93K218 and/or 93K215, Mack EO-O and/or EO-N, Volvo VDS-4 and/or VDS-3, Caterpillar ECF-3 and/or ECF-2, API CI-4, CH-4, CG-4, CF-4, CF, CE, CD and CC, or Ford WSS-M2C171-E. Additionally, All Fleet Plus™ E900 meets the engine test requirements of API SN and all prior API gasoline categories, ACEA E9/E7, MB 228.31, MAN 3575 and Deutz DQC III-10LA.

### Specifications and Approvals

All Fleet Plus™ E900 15W-40*
API CK-4/SN, CJ-4, CI-4 Plus, CI-4
ACEA E9, E7
Allison TES 439™ <b>Approved</b>
CAT ECF-3, ECF-2, ECF-1-a
CUMMINS CES 20086 <b>Approved</b>
CUMMINS CES 20081
Detroit Diesel DDC 93K222 <b>Approved</b>
Detroit Diesel DDC 93K218
Deutz DQC III-10LA
Ford WSS-M2C171-F1, WSS-M2C171-E
JASO DH-2
MACK EOS-4.5 <b>Approved</b>
MACK EO-O Premium Plus
MAN 3575, MAN 3275
MB <b>Approval</b> 228.31
Renault Truck VI RLD-3 <b>Approved</b>
Renault Truck RLD-4
Volvo VDS-4.5 <b>Approved</b>
Volvo VDS-4

\* Check owners' manual before use.

### Applications

All Fleet Plus™ E900 15W-40 provides superior performance in many applications such as;

- On-highway & off-highway heavy duty
- Mining
- Transport
- Construction
- Agricultural and farming
- Marine
- Industrial

All Fleet Plus™ E900 15W-40 meets all the requirements for Tier IV engines and is backwards compatible with Tier III including many older engine oil specifications. Always consult the vehicle service manual before use.



### Features and Benefits

#### High Temperature deposit control

Latest generation additive technology for enhanced engine deposit protection, oxidation and sludge control providing superior engine cleanliness over the oil drain interval.

#### Excellent Shear Stability

'Stay in grade', shear stable formulation for optimal viscosity control, pump ability and oil pressure control.

#### Environment and Emission

Low ash catalyst compatible engine oil formulated to help protect the latest after treatment (DPF & SCR) systems fitted on the latest low emission vehicle.

#### Outstanding Protection

Improved wear protection to maximize engine efficiency and extend engine life.

## Keeping the world moving since 1866™

Serving more than 100 countries around the globe, Valvoline is a leading marketer, distributor and producer of quality branded automotive and industrial products and services. Products include automotive lubricants including MaxLife™, the first motor oil specifically formulated for higher-mileage vehicles; transmission fluids; gear oils; hydraulic lubricants; automotive chemicals; specialty products; greases, and cooling system products.

For more information on Valvoline products, programs and services please visit [www.valvoline.com.au](http://www.valvoline.com.au) or contact the Technical Hotline on 1800 804 658 for product recommendations.

## Typical Properties

Typical property characteristics are based on current production. Whilst future production will conform to Valvoline™ specifications, variations in these characteristics may occur.

All Fleet Plus™ E900 15W-40	Typical
SAE Viscosity Grade	15W-40
Viscosity @ 100 °C, mm <sup>2</sup> /s, ASTM D445	14.85
Viscosity @ 40 °C, mm <sup>2</sup> /s, ASTM D445	111
Viscosity Index, ASTM D2270	138
Density @ 15 °C, kg/L, ASTM D4052	0.874
Total Base Number, mg KOH/g, ASTM D2896	Typical 10.0
CCS Viscosity, mPa.s @ -20 °C, ASTM D5293	5100
Flash Point (COC), °C, ASTM D92	225
Pour Point, °C, ASTM D5950	-39
Sulphated Ash, % mass, ASTM D874	1.0 (max)

**Note:** All Fleet Plus™ E900 15W-40 engine oil may be unsuitable for use in some engines, always consult owners' manual if in doubt.

This information only applies to products manufactured in the following location(s): Australia

Part Number	Pack Size
1377.05	5L
1377.10	10L
1377.20	20L
1377.51	205L
1377IBC	1000L

## Health and Safety

This product is not likely to present any significant health or safety hazards when used correctly in the right application. Safety Data Sheet (SDS) is available on request via your local sales office or 1800 804 658 or through our website [www.valvoline.com.au](http://www.valvoline.com.au)

## Protect the Environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

## Storage

Storage We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60 °C, exposed to hot sun or freezing conditions.

## Author:

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