



Valvoline CCL 624 20W-40

Valvoline CCL 624 20W-40 is the latest generation high performance diesel engine oil formulated to provide enhanced oxidation control and wear protection in EMD and GE engines used in railroad, power generation and marine applications operating under a wide variety of service conditions. The latest Chlorine and Zinc free formulation provides ash free lubrication with longer service life; with or without exhaust after treatment systems.

Valvoline CCL 624 20W-40 is specially designed for engines that requires low ash oils, while running on low Sulphur or ultra-low Sulphur fuels. Blended with premium base stocks and latest generation additive chemistry to achieve the following benefits: high temperature piston deposit control, foam protection, soot dispersancy, oxidation inhibition, low temperature sludge protection, corrosion and rust inhibition, valve train wear protection and TBN retention.

Specifications and Approvals

Valvoline CCL 624 20W-40*

Rail Progress (Caterpillar Company) EMD Formal acknowledgement
General Electric LMOA Generation 6 Approved

* Check owners' manual before use.

Applications

Valvoline CCL 624 20W-40 is a high-performance diesel engine oil specially designed for EMG and GE engines, used in railroads, power generation and marine applications. Also compatible with earlier generation EMD and GE approved engine oils.

Valvoline CCL 624 20W-40 can be used in engines using low Sulphur or ultra-low Sulphur fuels, with or without exhaust aftertreatment systems. Always consult the vehicle service manual before use.

Features and Benefits

Wear Protection

Strong oil film protects the engine against wear and corrosion. The combination of high-quality base oil and modern additive technology has resulted in excellent wear protection in varying operating conditions.

Exhaust After Treatment Systems Compatible

The latest Chlorine free and Zinc free formulation make is compatible for use in engines with or without exhaust after treatment systems.

Oxidation Control

Formulated with high quality base oils with low aromatic and nitrogen content it provides excellent oxidation control at high temperatures in railroad, power generation and marine applications.

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 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.

CCL 624 20W-40	Typical
SAE Viscosity Grade	20W-40
Viscosity @ 100 °C, mm ² /s, ASTM D445	15.10
Viscosity @ 40 °C, mm ² /s, ASTM D445	136.4
Viscosity Index, ASTM D2270	113
Density @ 15 °C, kg/L, ASTM D4052	0.880
Total Base Number, mg KOH/g, ASTM D2896	9.2
Zinc, ppm	<10
Flash Point (COC), °C, ASTM D92	229
Pour Point, °C, ASTM D5950	-27
Sulphated Ash, % mass, ASTM D874	1.0

Note: CCL 624 20W-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
1416.28	208 L
1416IBC	1000 L

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

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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