



EMERALDLUBES

Emerald Fleet 15w40

Product Description:

Emerald Fleet 15W-40 high performance all-season engine oil is a premium quality, heavy-duty multi-grade oil for all-season use in diesel-powered or a mix of gasoline and diesel-powered equipment. It meets or exceeds the warranty and service requirements of virtually all diesel and gasoline engine manufacturers – for both newer and older engines. It is recommended especially for all on-highway service applications, and is also recommended for off highway applications, especially where all-season use is desired.

Tightening of federal emission requirements has resulted in engine designs that require enhanced oil performance. Emerald Fleet 15W-40 is leading the way in meeting the enhanced oil requirements of API CJ-4 and leading OEM specifications by formulating with Cal-Pure™ Group II base stocks and the latest additive chemistry available. With these credentials, Emerald Fleet 15W-40 represents the next generation in performance.

Applications:

- Heavy-duty diesel and mixed fleets in all types of over-the-road service, including engines with EGR
- Recommended for diesel powered equipment including those powered by Caterpillar, Cummins, John Deere, Detroit Diesel, Mack, Mercedes-Benz, International, and Volvo engines in all types of service
- Off-highway applications where an all-season universal engine oil is desired, such as construction, mining, logging, and agricultural service
Gasoline engines, especially the hard working engines of pick-up trucks, sport-utility vehicles (SUVs), and mini-vans
- Passenger cars, light trucks, farm equipment, forklifts and assorted stationary equipment with automotive type LPG- or LNG-fueled engines, where ashless or low-ash oils are not specified by the manufacturer

Emerald Lubes

O'Rourke Petroleum Products & Solutions

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Meets for Following Specifications:

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| API SL / CJ-4, CI-4+, CI-4, CH-4, CG-4, CF-4, AND CF | International |
| Caterpillar ECF-1 | Mack EO-N Premium Plus and EO-M Plus |
| Cummins CES 20078 , 20077, 20077, and 20071 | Mercedes-Benz 228.3 |
| Detroit Diesel | Volvo VDS-3 and VDS-2 |
| John Deere | Global DHD-1 |
| Dodge, Ford, General Motors | API SL and SJ for gasoline engines |

Typical Properties:

Test	Typical
Viscosity CST @ 40C	105.3
Viscosity CST @ 100C	14.0
Viscosity Index	134
Gravity, API, 60F	29.7
Pour	-24/(-15)
Cold Crank, v/ @ -20C cp(CCS)	6200
Neutralization No. (TBN-E)	11

The values shown here are typical of current production. All of them may vary within modest ranges.

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