



Product Data Sheet

ECOSE® Horizon FE Diesel Engine Oil

Fuel Efficient, Low Viscosity Diesel Engine Oil

New generation diesel engine oil specifically engineered to extend engine life, provide longer oil drain capability, and meets or exceeds API FA-4 specification for fuel-efficient engine oils. This new, low viscosity heavy duty diesel engine oil is formulated to comply with the latest goals set forth by the Environmental Protection Agency (EPA) and the National Highway Traffic Safety Administration (NHTSA) designed to improve fuel efficiency and reduce greenhouse gas emission.

Features and Benefits

- Improved oxidation, shear stability and aeration performance
- Cold weather starts with low temperature fluidity and pumpability
- Improved fuel economy in engines designed to operate with lower viscosity

Approvals

- API Service FA-4

Applications

- For use in API FA-4 compliant engines
- Meets performance outlined by Cummins CES 20087 and Detroit Fluid Specification 93K223

Typical Properties

Product Code - 531320	Test Method	SAE 10W-30
Kinematic Viscosity, cSt @40°C	ASTM D 445	66.5
Kinematic Viscosity, cSt @100°C	ASTM D 445	10.5
Viscosity Index	ASTM D 2270	146
CCS @ -20°C, cP	ASTM D 5293	5,400
Pour Point, °F	ASTM D 5949	-34
Color	ASTM D 1500	L4.0
Sulfated Ash, wt%	ASTM D 92	1.0
Total Base Number, mg KOH/g	ASTM D 2896	10.0
HTHS @ 150°C, cP	ASTM D 4683	3.1

NOTE: ECOSE Horizon FE 10W-30 Engine Oil should only be used where an API FA-4 oil is recommended by the OEM. Before using this product in an engine, users should consult recommendations as outlined in the owner's manual or other service bulletins.

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