

CITGO CITGARD® 700 MFE SYNTHETIC BLEND ENGINE OIL



Date 04/18

DESCRIPTION: CITGO CITGARD 700 MFE Synthetic Blend Engine Oil SAE 10W-30 is engineered for maximum fuel efficiency and API FA-4 compliant engines. Formulated with proprietary additive technology that protects engines running at higher operating temperatures and higher fuel injection pressures, while meeting tighter wear limits and lower emission requirements. Provides additional fuel economy compared to API CK-4 or API CJ-4 SAE 10W-30 engine oils.

CITGO CITGARD 700 MFE Synthetic Blend SAE 10W-30 Engine Oil is a new generation engine oil that supports the Phase II fuel efficiency standards which are driving the need for even more fuel efficient heavy duty engine oils combined with excellent wear protection and engine durability.

- PERFORMANCE BENEFITS:**
- Up to 4% fuel economy advantage over conventional SAE 15W-40 viscosity grade oils
 - Maintains viscosity over extended service intervals
 - Up to 100% increase in oxidation protection compared to conventional CJ-4 engine oils. Always follow OEM recommendations when extending oil drain intervals
 - Advanced wear protection for newer FA-4 compliant engines
 - Reduced air entrainment in high pressure hydraulic fuel injection systems

RECOMMENDED FOR: API FA-4 Compliant Engines
Cummins CES 20087
Detroit Diesel DFS 93K223

APPLICATIONS: CITGO CITGARD 700 MFE Synthetic Blend SAE 10W-30 Engine Oil is engineered for API FA-4 compliant engines. Consult owner’s manual for proper lubricant selection.

CITGARD® 700 MFE Synthetic Blend Engine Oil vs API CK-4 or CJ-4.

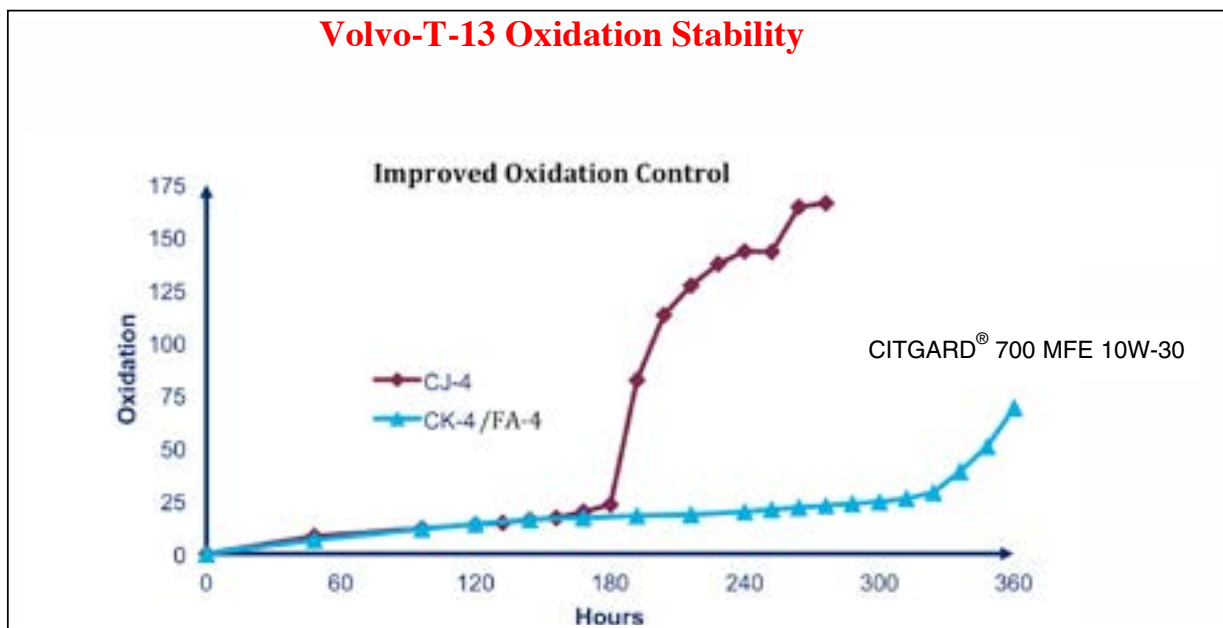
	More Robust Additive System than API CJ-4 Oil	Enhanced Durability Requirements	SAE Grades	High Temperature High Shear Viscosity	Fuel Economy	Back Serviceable	Recommended by OEMs	Applications
API CK-4			0W-30 and heavier	 >3.5 cP	 Better			
API FA-4			0W-30 5W-30 10W-30	 2.9-3.2 cP	 Best			

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TYPICAL PROPERTIES:

CITGO CITGARD® 700 MFE SYNTHETIC BLEND ENGINE OIL SAE 10W-30

SAE Grade	10W-30
Material Code	622722001
Gravity, ASTM D4052, °API at 60°F	31.5
Pounds/Gallon at 60°F	7.25
Specific Gravity at 60°F	0.87
Viscosity at 40°C, cSt	66
Viscosity at 100°C, cSt	10.0
Viscosity Index	136
CCS Viscosity, cP, @ Temperature	5,680 @ -25°C
MRV Viscosity, cP, @ Temperature	15,500 @ -30°C
MRV Yield Stress, Pa, @ Temperature	<35
Pour Point, °F (°C)	-33 (-36)
Flash Point, COC, °F (°C)	446 (230)
Noack Evaporative, ASTM D5800, % Loss	12.7
Color, ASTM D1500	L3.5
Total Base Number, ASTM D2896	10
Sulfated Ash, ASTM D874, % wt	1.0

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