

CITGO CITGARD[®] SYNDURANCE[®]
ENGINE OIL 0W-30



Date 1/09

DESCRIPTION: The design of CITGO CITGARD SynDurance Engine Oil SAE 0W-30 incorporates premium synthetic base stocks to improve high and low temperature properties. Poly-alpha olefins (PAO's) give the best low temperature performance while minimizing volatility. The careful balance of synthetic components give improved fuel economy, improved cold temperature performance and improved engine drain interval optimization capabilities.

- QUALITIES:**
- Offers superior year-round engine protection for fleets operating in wide temperature ranges.
 - Provides lightning-fast full lubrication during cold weather start-up.
 - Ensures excellent high temperature wear protection.
 - Helps avoid engine damage from using cold weather starting aids such as ether.
 - Reduces dependency on engine block heaters resulting in inconvenience and higher electric bills.
 - Provides drain interval optimization capability.
 - Promotes fuel savings.
 - Provide all of the advantages of a full synthetic engine oil.
 - Promotes longer engine life.
 - Improves equipment productivity and service availability.

APPLICATIONS: CITGO CITGARD SynDurance 0W-30 is a 100% synthetic lubricant formulated for gasoline and diesel engines, torque converters, gear cases, and hydraulic systems operating in sub-zero arctic conditions.

CITGO CITGARD SynDurance 0W-30 is recommended for applications calling for:

API CI-4, CH-4, CG-4, CF, CD	Mack EO-M Plus
API SH and SJ (gasoline)	Cummins CES 20071, 20076, 20078
Allison C-4	ACEA E3 and E5 Performance
Ford ESE M2C153E	Daimler Chrysler 228.3
General Motors 6094M	ECF 1
Global DHD 1	MAN M3275
MTU-Type 2	Volvo VDS-2

Eaton, Vickers, Denison, Sunstrand, Rexroth, etc. Hydraulic Vane and Piston Pumps

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TYPICAL PROPERTIES:

CITGO CITGARD® SYNDURANCE® ENGINE OIL SAE 0W-30

SAE Grade	0W-30
Material Code	622670001
Specific Gravity	0.861
Pounds Per Gallon	7.17
Viscosity, ASTM D 445, cSt at 40°C	65.1
cSt at 100°C	11.3
Viscosity Index, ASTM D 2270	165
CCS at -35°C, cP	5,490
MRV at -40°C, Cp	16,868
Pour Point, ASTM D 97, °F (°C)	-71 (-57)
Flash Point, ASTM D 92, °F (°C)	374 (192)
Total Base No. ASTM D 2896	12
Color, ASTM D 1500	L3.5