

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



Date 01/10

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 SAE 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 SAE 0W-30 is recommended for applications calling for:

API CJ-4, CI-4, CH-4, CG-4, CF, CD	Cummins CES 20081
API SL (gasoline)	Mercedes 228.3
Allison C-4	Caterpillar ECF 3
Mack EO-N Premium Plus 03	Volvo VDS-3

Recommended for Eaton, Vickers, Denison, Sunstrand, Rexroth, etc. Hydraulic Vane and Piston Pumps in extreme cold weather applications.

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Date 01/10 - (Continued)

TYPICAL PROPERTIES:

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

SAE Grade	0W-30
Material Code	622670001
Gravity, ASTM D 287, °API	33.6
Pounds Per Gallon	7.14
Viscosity, ASTM D 445, cSt at 40°C	65.3
cSt at 100°C	11.4
Viscosity Index, ASTM D 2270	170
CCS at -35°C, cP	5,725
MRV at -40°C, Cp	16,500
Pour Point, ASTM D 97, °F (°C)	-76 (-60)
Flash Point, ASTM D 92, °F (°C)	464 (240)
Total Base No. ASTM D 2896	10
Color, ASTM D 1500	L3.5