

CITGO CITGARD® SYNDURANCE®  
SYNTHETIC HEAVY DUTY ENGINE OIL



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**DESCRIPTION:** CITGO CITGARD SynDurance Synthetic Heavy Duty Engine Oil 5W-40 utilizes premium synthetic base stocks and robust additive technology to provide excellent performance for diesel engines. SynDurance Synthetic 5W-40 engine oil is designed for equipment owners wanting 5W-40 synthetic performance but do not require engine manufacturer approvals or industry licensing credentials. CITGO CITGARD SynDurance Synthetic Heavy Duty Engine Oil 5W-40 provides high and low temperature protection that improves engine performance over a wider temperature range compared to conventional 15W-40 engine oils. The careful balance of synthetic components and wide range viscosity offers improved fuel economy and can optimize engine oil change intervals when combined with LubeAlert HD® Oil Analysis Program. CITGO CITGARD SynDurance Synthetic Heavy Duty Engine Oil 5W-40 will also extend the service life of diesel engine emission systems.

- PERFORMANCE BENEFITS:**
- Promotes fuel savings
  - Provides year-round engine protection for fleets operating in wide temperature conditions
  - Permits quick-fill lubrication flow during cold weather start-up
  - Exhibits excellent high temperature wear protection
  - Reduces dependency on engine block heaters
  - Provides drain interval optimization capability
  - Promotes longer engine life
  - Improves equipment productivity and service availability

**APPLICATIONS:** CITGO CITGARD SynDurance Synthetic Heavy Duty Engine Oil 5W-40 is recommended for modern turbo-charged, low emission diesel engines operating in severe conditions needing improved engine oil fuel efficiency.

**TYPICAL PROPERTIES:**

**CITGO CITGARD® SYNDURANCE® SYNTHETIC HEAVY DUTY ENGINE OIL**

SAE Grade	5W-40
Material Code	622675001
Gravity, ASTM D 4052, °API	34.0
Pounds Per Gallon	7.12
Flash Point, COC, ASTM D 92, °F (°C)	446 (230)
Viscosity, ASTM D 445, cSt at 40°C	92
cSt at 100°C	14.9
Viscosity Index, ASTM D 2270	170
CCS Vis, ASTM D 5293, cP at °C	5,560 at -30°C
MRV Vis, ASTM D 4684, cP at °C	33,990 at -35°C
MRV Yield Stress, ASTM D 4684, Pa at °C	<35
Pour Point, ASTM D 97, °F (°C)	-49°F (-45°C)
TBN (Total Base No.), ASTM D 2896	10
Color, ASTM D 1500	4.5
NOACK Volatility, ASTM 05800, % Loss	11.2

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