



CITGO[®] SynDurance[®] Synthetic Gear Lubricants

OVERVIEW



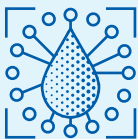
- Heavy duty, synthetic gear and bearing lubricants designed for use in non-synchronized manual transmissions, transfercases and differential axles of trucks, farm tractors, construction, passenger cars and miscellaneous industrial equipment.
- Maximum protection for gears and bearings operating over a wide range of temperatures, speeds, and loads. Superb resistance to oxidation provides the benefit of extended drain intervals.
- Available in SAE 75W-90 and 80W-140 viscosity grades.

FEATURES & BENEFITS



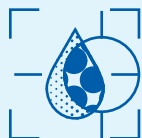
- Superior oxidation resistance for extended drain intervals.
- Excellent load-carrying properties for maximum protection against component wear.
- High viscosity index and low pour point synthetic base stocks provide reduced fluid friction, with resultant fuel savings potential during low-temperature start-up or operating conditions.
- Excellent demulsibility (separates water readily) and does not foam.
- Shear-resistant for lasting viscosity performance.
- Provides full protection to system parts against rust and corrosion.

APPLICATIONS



- Recommended for differentials, non-synchronized manual transmissions for which hypoid-type lubricants are required, and transfer cases for heavy equipment: trucks, tractors, industrial gear drives, automobiles, farm machinery, etc.
- Meet or exceed the following performance requirements:
 - API Service Classification GL-5 and MT-1
 - SAE J2360; former U.S. Military Specifications MIL-L-2105D and MIL-PRF-2105E
 - DANA SHAES 256, Rev. E (75W-90)
 - DANA SHAES 429
 - Detroit Diesel DFS 93K219.01 (75W-90)
 - Mack GO-J Plus (75W-90)
 - Mack GO-J (80W-140)
 - Meritor O-76N (75W-90)
 - Meritor 076-B (80W-140)
 - Navistar MPAPS B-6821
 - International TMS-6816 (80W-140)

PROPERTIES



Typical Properties for CITGO SynDurance Synthetic Gear Lubricants:

SAE Grade	75W-90	80W-140
Material Code	631809001	631814001
API Classification	GL-5	GL-5
AGMA Grade	4	5-6
Gravity, ASTM D4052, °API	33.4	31.5
Pounds Per Gallon	7.14	7.23
Flash Point ASTM D92, °F (°C)	405 (204)	410 (210)
Pour Point, ASTM D97, °F (°C)	-65 (-54)	-54 (-48)
Color, ASTM D1500	1.5	1.5
Viscosity ASTM D445		
cSt at 40°C	111	273
cSt at 100°C	15.1	29.1
Viscosity Index	143	142
Brookfield Viscosity ASTM D2270		
cP at -18°C	5,715	22,700
cP at -26°C	—	60,950
cP at -40°C	93,050	—
Foam Test, ASTM D892	Pass	Pass
Copper Corrosion, ASTM D130	1A	1A
Rust Protection, ASTM D A/B	Pass	Pass

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