



# ***Lyden Oil Company***

## ***ProGuard***

### **Product Information**

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#### ***ProGuard Synthetic Automotive Gear Oils***

***ProGuard Synthetic Automotive Gear Oils*** are heavy duty, synthetic gear and bearing lubricants designed for use in manual transmissions, transfer cases and differentials of passenger cars, trucks, farm tractors, construction equipment and over-the-road trucks. They are formulated using a proprietary combination of synthetic base stocks and additives that offers the maximum protection for gears and bearings over a wide range of operating temperatures.

#### **Benefits**

- Superior oxidation resistance for extended drain intervals.
- Excellent load carrying properties (SAE 75W-90, 75W-140 and 80W-140) for maximum protection.
- High viscosity index and low pour point synthetic base stocks provide reduced friction resulting in fuel economy potential during low temperature startups or operation conditions.
- Excellent demulsibility
- Shear resistant
- Hydrolytically stable
- Non-foaming

***ProGuard Synthetic Automotive Gear Oils*** (SAE 75W-90, 75W-140 and 80W-140) are recommended for differentials (including limited slip units), manual transmissions for which hypoid type lubricants are required, and transfer cases for heavy equipment – found in trucks, tractors, industrial gear drives, automobiles and farm machinery. These products meet or exceed the following performance requirements:

- **API GL-5 and MT-1**
- SAE J2360; former U.S. Military Specification MIL-PRF-2105E
- Mack GO-J (all grades)
- Eaton Axle Division PS-037, PS-163, PS-109 (75W-90)
- Dana SHAES-256 rev.C, SHAES-234
- Meritor Automotive 0-76 E/N (75W-90), 0-76B, 0-80 (80W140)

***ProGuard Synthetic Automotive Gear Oil*** CD 50 is recommended for heavy-duty service in manual transmissions for which the manufacturer normally recommends either engine oils or GL-1 to GL-4 lubricants. This product contains antiwear, rust, oxidation, foam and corrosion inhibitors to protect bearings and synchronizers and to promote longer transmission life.

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As in the other products in this series, **ProGuard Synthetic Automotive Gear Oil** CD 50 provides improved start-up, easier shifting and less gear wear in low temperature environments. Less friction, less drag and improved oxidation resistance combine to provide fuel economy benefits and longer drain intervals. This product is recommended in applications calling for the following specifications:

- **API GL-4 and MT-1**
- Eaton Transmission Div., PS-164 Rev.7 (Not Eaton listed)
- Mack Truck TO-A-Plus
- Navistar TMS 6816
- ArvinMeritor 0-81
- ZF Freedom Line
- Volvo I-shift

#### Typical Properties

##### ProGuard

##### Synthetic Automotive Gear Oils

	75W-90	75W-140	80W-140	CD 50
Product Code Number	710301	10629	710302	702051
Viscosity, ASTM D-445				
cSt at 100 °C	15.8	25.0	27.3	18.0
cSt at 40 °C	110	180	219	139
Viscosity Index	152	172	160	144
Brookfield Viscosity, ASTM D-2983				
cP at -26 °C	N/A	N/A	75,000	N/A
cP at -40 °C	110,000	135,000	N/A	120,000
Flash Point, °C (°F), ASTM D-92	192 (378)	188 (370)	194 (381)	225 (437)
Pour Point, °C (°F), ASTM D-97	-42 (-45)	-37 (-36)	-34 (-30)	-51 (-60)
Demulsibility, ASTM D-1401	Pass	Pass	Pass	N/A
Foam Test, ASTM D-892	Pass	Pass	Pass	Pass
Copper Corrosion, ASTM D-130	1A	1A	1A	1A
FZG, Failure Stage	>12	>12	>12	>10

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