



**America's Fastest Growing Lubricant Brand!**

**Quantum® FullSYN Premium Gear Oil**

Quantum FullSYN Premium Gear Oil is specially formulated with proprietary PolyAlphaOlefin Synthetic base stocks and state-of-the-art additive technology to provide ultimate protection and peak performance in passenger car and truck axles with hypoid gear sets operating under severe conditions and extreme temperatures. Quantum FullSYN Gear Oils meet the stringent performance standards for Dana Corporation's (Eaton) Roadranger 750,000 mile extended warranty program.

Quantum FullSYN Premium Gear Oil is available in SAE grades 75W-90, 75W-140, and 80W-140 and exceeds performance requirements as defined by API classifications GL-5 and MT-1.

**VEHICLE BENEFITS**

- Outstanding low-temperature shifting performance and cold start-ups
- Maximum resistance to oxidation, sludge and varnish formation
- Protection against gear rust and corrosion
- Optimum fuel economy
- Superior wear protection for critical gear components
- Provides smooth shifting operation



**PRODUCT FEATURES**

- Formulated with proprietary PolyAlphaOlefin Synthetics for maximum resistance to thermal breakdown
- Meets performance requirements for Dana/Eaton Roadranger 750,000 mile extended warranty program
- SAE grades 75W-90 and 75W-140 are formulated with limited-slip (LS) additive
- Provides ultimate wear protection for critical gear components from shock loading
- Resists deposit formation to protect seals from deterioration and prevent loss of fluid

**APPLICATIONS**

Recommended for passenger car, light-truck and heavy-duty truck axles with hypoid gear sets operating under severe conditions, extreme temperatures and extended service intervals requiring:

- API Service GL-5 & MT-1
- U.S. Military MIL-PRF-2105E
- Ford WSL-M2C192-A (75W-140)
- Dana Corporation SHAES-256
- ArvinMeritor (Rockwell) O76-Q (extended drain), O-76-E (petrol), O-76-N (syn)
- Mack GO-J & GO-J Plus
- Eaton PS-163, PS-037 & PS-109; General Electric D50E9C; Harniscfeger (P& H) 474; Navistar TMS 6816; U.S. Steel 224 and AGMA Standard 250.03

<b>Quantum® FullSYN Premium Gear Oil</b>				
<b>Typical Physical Properties</b>				
SAE Grade	Test Method	75W-90	75W-140	80W-140
API Service		GL-5 & MT-1	GL-5 & MT-1	GL-5 & MT-1
Pounds per Gallon		7.27	7.30	7.34
Gravity, °API	ASTM D287	28.3	31.6	27.8
Flash Point, °C (°F)	ASTM D445	204(400)	210(412)	212(415)
Pour Point, °C (°F)	ASTM D97	-48 (-54)	-45 (-49)	-39 (-38)
Viscosity, cSt @ 40°C	ASTM D445	128.0	176.4	262.0
Viscosity, cSt @ 100°C	ASTM D445	17.5	24.8	31.1
Brookfield Viscosity, cP	ASTM D2983	100,000@-40°C	126,000@-40°C	60,000@-26°C
Viscosity Index	ASTM D2270	158	173	160

Minor variations in typical physical properties may occur from normal manufacturing processes