

VALVOLINE™ HIGH PERFORMANCE GEAR OIL

Valvoline™ **High Performance Gear Oils** are superior sulfur-phosphorus, extreme pressure gear lubricants formulated with premium quality base stocks to meet the demands for excellent performance. It is designed to provide excellent load carrying capacity, extreme pressure properties, anti-foam performance, demulsibility, corrosion protection, and thermal stability protection capability. These products are recommended for conventional rear axles, and transmissions requiring EP gear lubes under high speed, high load, high torque, and high horsepower conditions.

Valvoline High Performance Gear Oils meet or exceed API Services GL-5 and GL-4*. High Performance 75W-90 has limited slip additive included for applications calling for limited slip gear oils and does not need additional limited slip friction modifiers (Ford M2C118A, Chrysler MS-5630, or GM1052358) added in most vehicles.

The Valvoline High Performance Gear Oils Advantages:

- **Thermal Protection:** Provides outstanding thermal stability for cleanliness and longer service life.
- **Wear Protection:** Has superior anti-wear additives to protect gear teeth against pitting, spalling, and scouring.
- **Reduces Chattering:** Contains special additives to reduce chattering and minimize shock load wear in differentials
- **Corrosion Protection:** Protects parts from rust and corrosion.

Approvals/Performance Levels			
API GL-4 *	75W-90	80W-90	85W-140
API GL-5	75W-90	80W-90	85W-140

Test	75W-90	80W-90	85W-140
Vis @ 100°C (cSt)	15.47	14.5	28.0
Vis @ 40°C (cSt)	99.0	145.9	394
Viscosity Index	166	96	98
Density (lbs/gal)	7.02	7.39	7.44
Brookfield Vis., cP	106,000(-40C)	108,000(-26C)	120,000(-12C)
Pour Point, °C	-39	-30	-15
Phosphorus, wt%	0.147	0.054	0.054

*In synchronized manual transmission applications use:

- Valvoline Professional Series Manual Transmission Fluid or
- Valvoline Synchronesh Manual Transmission Fluid (available September 2012)