

# Product Information



A PRODUCT OF THE VALVOLINE COMPANY A DIVISION OF ASHLAND INC.

## 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, thermal stability protection, and service fill limited slip capability. These products are recommended for conventional rear axles, limited slip 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\*. The inclusion of Limited Slip Friction Modifier in this product makes it unnecessary to add additional friction modifier (Ford M2C118A, Chrysler MS-5630, or GM1052358) in most vehicles.

### The Valvoline High Performance Gear Oils Advantages:

- **Thermal Protection:** Provides outstanding thermal stability for cleanliness and longer service life.
- **Wear Protection:** Contains additives to assist in protecting gear teeth against pitting, spalling, and scouring.
- **Reduces Chattering:** Contains special additives to reduce chattering in limited-slip 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	14.4	28.1
Vis @ 40°C (cSt)	99.0	145.9	394
Viscosity Index	166	96	98
Spec Gravity @ 60F	0.862	0.895	0.904
Density (lbs/gal)	7.19	7.47	7.53
Brookfield Vis., cP	106,000(-40C)	108,000(-26C)	120,000(-12C)
Pour Point, C	-45	-30	-15
Phosphorus, wt%	0.066	0.066	0.066

\*In synchronized manual transmission applications use:

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