

# Product Information

A PRODUCT OF VALVOLINE, A DIVISION OF ASHLAND INC.



## Valvoline® Heavy Duty Synthetic Gear Lubricant

Valvoline Heavy Duty Synthetic Gear Lubricant is specially formulated for heavy duty manual transmissions, differentials, and transfer cases operating in severe service applications (temperature extremes, extended drain intervals, etc.) and requiring an extreme pressure API GL-5 gear lubricant. It is engineered from premium synthetic base stocks with custom additive chemistry to provide extended protection from wear, rust and corrosion, heat and oxidation. It meets a broad range of OEM specifications/requirements, including the new DANA SHAES 256 Rev C.

### Advantages of Valvoline Heavy Duty Synthetic Gear Lubricant include:

- Improved gear wear and bearing protection for longer component life.
- Improved cold weather flow ability lubricates components faster and provides better cold weather shift ability in manual transmissions.
- Longer seal life due to fewer deposits, better seal compatibility and improved thermal stability.
- Operational benefits such as the potential for fuel economy and reduced downtime maintenance.
- Extended drain capable, while preserving extended equipment life.

Approvals/Meets	Viscosity Grade/Other	
API GL-5	75W90	80W140
API MT-1	75W90	80W140
API PG-2	75W90	80W140
Meritor 0-76-E&N, 0-76-B & O-80	75W90	80W140
Eaton Axle Div. PS-037/163/109	75W90	80W140
Eaton extended warranty coverage	75W90	80W140
Mack GO-H/S, GO-J Plus	75W90	80W140
GE D50E9C	75W90	80W140
MIL-PRF-2105E	75W90	80W140
DANA SHAES-256 Rev C	75W90	
DANA SHAES-429 Rev A		80W140
International TMS 6816	75W90	80W140
Typical Properties	75W90	80W140
Gravity, degree API	25.2	23.6
Viscosity @ 100°C (cSt)	16.6	30.6
Viscosity @ 40°C (cSt)	122	284
Viscosity @ -26°C (cP)		75,000
Viscosity @ -40°C (cP)	125,000	
Viscosity Index	147	146
Pour Point (°C)	<-45	<-40
Flash COC (°C)	204	200
Foaming Test (ASTM D-892)	Pass	Pass
Copper Strip Corrosion (ASTM D-130)	Pass	Pass
FZG, stages for pass	12	12
Timken OK Load, Lbs.	50	85
Rockwell 076E Thermal Heat Test	Pass	Pass
Part Numbers		
55 Gallon Drum	VV70026	VV70045
16 Gallon Keg	VV70027	
5 Gallon Pail	VV700285M	VV700475M

Refer to Valvoline's Material Safety Data Sheet for health and safety instructions.

This information only applies to products manufactured in the following location(s): USA, Canada.

Effective Date:	Expiration Date:	Replaces:	Author's Initials:	Code
01/29/2008	N/A	09/26/2007	JH	PI 0801

