



PRODUCT DATA SHEET

LUBRICANTS

VP HI PERFORMANCE GEAR OILS

VP Hi Performance Gear Oils are formulated using high quality base stocks and an optimized performance additive for automotive gear oils.

VP Hi Performance Gear Oils were developed to meet the key performance requirements for manual transmissions and hypoid axles.

VP Hi Performance Gear Oils meet the requirements of API GL-4¹ and/or API GL-5² in addition to API MT-2³, MIL-2105E⁴, Mack GO-J⁵ and PG-2 Limited Slip⁶.

TYPICAL PROPERTIES

Gear Oils				
Product Number	TBD	2895 (QT.)	2885 (QT.)	Test Method
SAE Grade	80W-90 ¹	80W-90 ²⁻⁶	75W-90 ²⁻⁶ Full Synthetic	N/A
Viscosity@40°C, cSt	152	150	104	ASTM D445
Viscosity@100°C, cSt	15	15	15	ASTM D7042
Viscosity Index (VI)	97	98	151	Calculated
Specific Gravity @ 60°F	0.89	0.89	0.86	Calculated
API Gravity	28.2	27.7	32.3	Calculated
Brookfield Viscosity, cP	< 72000 (-26°C)	< 68000 (-26°C)	< 80000 (-40°C)	ASTM D2983
Flash Point, °C	>240	>240	>240	ASTM D92
Pour Point, °C	< -30	< -30	< -30	ASTM D97
Color	L4.0	L4.0	L4.0	ASTM D1500
Zinc, ppm	0	0	0	ASTM 5185
Calcium, ppm	0	0	0	ASTM 5185
Phosphorus, ppm	~270	~530	~550	ASTM 5185
Sulfur, ppm	~9000	~16000	~15500	ASTM 5185

These properties are typical of the current production. Variations that do not affect product performance are to be expected depending on blending and manufacturing locations. The information above is subject to change without notice.

Health and Safety:

This product is unlikely to have any adverse health implications or safety hazards when used for its intended application. Avoid contact with skin, use resistant gloves when handling used oil. If skin comes in contact wash immediately with soap and water. For complete information on safe handling and product characteristics please refer to the Safety Data Sheet (SDS).