



## PREMIUM HD GEAR LUBRICANTS

### DESCRIPTION

49 NORTH® PREMIUM HD GEAR LUBRICANTS are high quality, extreme pressure gear oils recommended for a wide variety of automotive, mobile equipment and industrial applications.

### QUALITIES

49 NORTH® PREMIUM HD GEAR LUBRICANTS are formulated with high VI paraffinic mineral oils and specially selected additives to meet the performance requirements of API service GL-4, GL-5, MT-1, MIL-L-2105D and MIL-PRF-2105E. The thermal stability additive is engineered to prevent sludge and varnish formation when the product is exposed to the high temperatures encountered in hot running heavy hauling and hard driving equipment. The extreme pressure additive protects heavily loaded gears from wear in high speed services with shock loads (L-42 test) and low speed, high torque applications (L-37 test).

### APPLICATIONS

49 NORTH® PREMIUM HD GEAR LUBRICANTS are recommended for car, truck, and mobile equipment transmissions, differentials and gear boxes.

### TYPICAL PROPERTIES

SAE GRADE	80W-90	85W-140
Product Code	31310	31320
API Gravity (ASTM D - 1298)	25.6	23.8
Viscosity (ASTM D - 445)		
cSt at 40° C	142	353
cSt at 100° C	14.3	26.8
Brookfield Viscosity (ASTM D - 2983)		
cPs at -12° C	-	57,000
cPs at -26° C	84,000	-
Viscosity Index (ASTM D- 2270)	98	101
Pour Point (ASTM D - 97) °F (°C)	-17 (-27)	0 (-18)
Channel Point °F (°C)	< -31 (-35)	< -4 (-20)
Flash Point (ASTM D - 92) °F (°C)	425 (218)	435 (224)
Copper Corrosion (ASTM D-130)	Pass	Pass
Timken Load, lbs (ASTM D-2782)	60	60
Four Ball EP (ASTM D-2783)		
Weld Point, kg	400	400
Load Wear Index	59	59

## Lubricants For All Reasons