



## SYNTHETIC EP GEAR LUBRICANTS

### DESCRIPTION

49 NORTH® SYNTHETIC EP GEAR LUBRICANTS are designed for use in gears and bearings operating under severe, heavy or shock loading conditions, especially in exterior conditions where wide temperature fluctuations are required, or where extended lubricant service intervals are desired.

### QUALITIES

49 NORTH® SYNTHETIC EP GEAR LUBRICANTS are compounded from PAO (polyalphaolephin) base oils and a balanced additive package that serves to increase lubricant film strength and provide extra protection under boundary lubrication conditions making them ideally suited to extreme pressures. These products are well suited to extremely wide temperature range service conditions.

### APPLICATIONS

49 NORTH® SYNTHETIC EP GEAR LUBRICANTS are recommended for all types of industrial gear drives, heavily loaded bearings, chains and slides requiring extreme pressure gear oils.

### Meets and/or Exceeds Requirements For:

AGMA 250.04  
US Steel 224  
Cincinnati Lamb P-76, P-77, P-74, P-59, and P-35

### TYPICAL PROPERTIES

Viscosity Grade	150	220	320	460	680	1000
Product Code	30130	30140	30150	30170	30180	30190
AGMA Grade	4EP	5EP	6EP	7EP	8EP	8A-EP
API Gravity (ASTM D - 1298)	30.4	29.8	28.3	28.9	27.1	27.5
Viscosity (ASTM D - 445)						
cSt at 40° C	150	220	32	460	680	950
cSt at 100° C	18.0	23.5	30.7	39.5	52.0	66.5
SUS at 100° F	780	1150	1680	2430	3620	4762
SUS at 210° F	88	114	142	188	232	391
Viscosity Index (ASTM D- 2270)	132	132	132	132	132	135
Pour Point (ASTM D - 97)						
°F	-60	-45	-40	-35	-30	-20
°C	-51	-43	-40	-37	-34	-29
Flash Point(ASTM D - 92)						
°F	460	460	460	460	460	460
°C	238	238	238	238	238	238
Colour (ASTM D -1500)	4.0	4.0	4.0	4.0	4.0	4.0
Timken Load, lbs (ASTM D-2782)	65	65	65	65	65	65

## Lubricants For All Reasons