



INDUSTRIAL EP COMPOUND HEAVY DUTY GEAR LUBRICANTS

DESCRIPTION

49 NORTH® INDUSTRIAL EP COMPOUND HEAVY DUTY GEAR LUBRICANTS are designed for use in gears and bearings operating under severe service conditions including heavy continuous loads or frequent shock loads.

QUALITIES

49 NORTH® INDUSTRIAL EP COMPOUND HEAVY DUTY GEAR LUBRICANTS are compounded from selected paraffinic 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. The additive package also includes corrosion, oxidation and foam inhibitors

APPLICATIONS

49 NORTH® INDUSTRIAL EP COMPOUND HEAVY DUTY GEAR LUBRICANTS are recommended for all types of industrial enclosed gear drives, heavily loaded bearings, chains and slides.

TYPICAL PROPERTIES

Viscosity Grade	68	100	150	220	320	460	680
Product Code	31110	31120	31130	31140	31150	31170	31180
AGMA Grade	2EP	3EP	4EP	5EP	6EP	7EP	8EP
SAE Viscosity Grade	-	80W	90	90	90	140	140
API Gravity (ASTM D - 1298)	30.0	28.8	28.0	27.5	27.0	26.5	24.0
Viscosity (ASTM D - 445)							
cSt at 40° C	67.4	101	150	210	310	440	675
cSt at 100° C	8.87	11.1	14.5	18.2	23.5	29.5	38.9
SUS at 100° F	348	528	798	1110	1650	2360	3650
SUS at 210° F	56	64	78	93	117	145	190
Viscosity Index (ASTM D- 2270)	105	95	95	95	95	95	95
Pour Point (ASTM D - 97)							
°F	-10	-10	-10	0	0	10	20
°C	-23	-23	-23	-18	-18	-12	-7
Flash Point(ASTM D - 92)							
°F	400	415	415	425	450	450	450
°C	204	213	213	218	232	232	232
Colour (ASTM D -1500)	2.5	4.0	4.5	4.5	5.0	5.5	7.5
Timken Load, lbs (ASTM D-2782)	65	65	65	65	65	65	65
Four Ball EP (ASTM D-2783)							
Weld Point, kg	250	250	250	250	250	250	250
Load Wear Index	47	47	47	47	47	47	47
FZG Test, Load Stages passed	12	12	12	12	12	12	12
Cincinnati Lamb Approval*	-	P-76	P-77	P-74	P-59	P-35	-

*Formerly Cincinnati Machine.

Lubricants For All Reasons