



PONTONIC N

(Industrial EP Gear Oils)

PONTONIC N industrial EP gear oils are premium quality, lead-free, heavy-duty industrial gear lubricants designed for use in a wide variety of applications. They are compounded from selected paraffinic base oils and a balanced additive package that includes extreme pressure additives. These oils are specially formulated for use in gears and bearings operating under severe service conditions.

Industrial gears often encounter heavy continuous loads or frequent shock loads. The extreme pressure additive system in **PONTONIC N** industrial gear oils serves to increase lubricant film strength and provide extra protection under boundary lubrication conditions. The result is reduced gear and bearing wear, longer component life and lower maintenance cost.

PONTONIC N industrial gear oils also contain potent oxidation inhibitors to control sludge and varnish. This has become increasingly important in today's hot running, high output industrial gear cases. This additional oxidation resistance serves to extend oil drain intervals and reduce oil usage.

The special additives that allow rapid water separation make **PONTONIC N** industrial gear oils ideal for applications where water contamination is a frequent problem. Such conditions often exist in steel mills, aluminum rolling mills, paper mills and other similar industries.

Other additives in **PONTONIC N** industrial gear oils inhibit rust and corrosion. This makes **PONTONIC N** industrial gear oils suitable for use with all types of gear and bearing

metallurgy including steel, bronze, and aluminum and copper alloys. Foam inhibitors provide extra resistance to foaming.

BENEFITS:

- EXTREME PRESSURE PROPERTIES FOR HEAVY LOAD APPLICATIONS
- OXIDATIVE AND THERMAL STABILITY FOR EXTENDED SERVICE LIFE
- RESISTANCE TO FOAMING
- RAPID WATER SEPARATION
- PROTECTION AGAINST RUST AND CORROSION

APPLICATIONS:

PONTONIC N industrial gear oils are recommended for all types of industrial enclosed gear drives. They are especially useful in applications where heavy loads or shock loads are encountered. **PONTONIC N** industrial gear oils may also be used in other applications that call for an extreme pressure oil, such as heavily loaded bearings, chains and slides.

PONTONIC N industrial gear oils are available in ISO viscosity grades 68 through 680. They can be used effectively in splash lubricated systems as well as circulation systems.

PONTONIC N industrial gear oils satisfy all major industrial gear manufacturers requirements including AGMA 9005, AGMA 250.03 and 250.04, Cincinnati Lamb and U. S. Steel EP gear oil requirement 224.



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TYPICAL CHARACTERISTICS

ISO Viscosity Grade	68	100	150	220	320	460	680
Product Code	28162	28163	28164	28165	28166	28167	28168
AGMA Grade	2EP	3EP	4EP	5EP	6EP	7EP	8EP
SAE Viscosity Grade**	-	80W	90	90	110	140	190
API Gravity (ASTM D-1298)	30.0	28.8	28.0	27.5	27.0	26.5	24.0
Viscosity (ASTM D-445):							
cSt @ 40°C	67.4	101	150	210	310	440	675
cSt @ 100°C	8.87	11.1	14.5	18.2	23.5	29.5	38.9
SUS @ 100°F	348	528	798	1110	1650	2360	3650
SUS @ 210°F	56	64	78	93	117	145	190
Viscosity Index	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)
Color (ASTM D-1500)	2.5	4.0	4.5	4.5	5.0	5.5	7.5
Timken OK 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	-

** Changes this issue. New SAE grades shown

The above data is subject to usual manufacturing variation. For more information and availability, call 1-800-442-LUBE.

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