



Lyden Oil Company

ProGuard

Product Information

ProGuard EP Gear Oils

ProGuard EP Gear Oils are designed to surpass the performance of currently available industrial gear oil products. They are thermally stable and provide an extreme pressure additive system to protect the gear boxes against wear and micro-pitting, and to prevent the formation of sludge. EP protection is maintained across the wide range of available ISO viscosity grades. They provide outstanding wear protection, cleanliness, sludge prevention and water separation.

Specifications

DIN 51517-3 CLP
ISO 12925-1 CKC/CKD
GM LS-2

US Steel 224
AGMA 9005-E02 EP
Cincinnati Machine P-77 (ISO 150), P-74 (ISO 220), P-59 (ISO 320), P-35 (ISO 460), and C Series

Typical Properties

ProGuard

EP Gear Oils	68	100	150	220	320	460	680
Product Code Number	17866	17867	17909	18015	18016	18017	17868
AGMA Number	2 EP	3 EP	4 EP	5 EP	6 EP	7 EP	8 EP
Viscosity, ASTM D-445							
cSt at 40 °C	66	105	153	230	324	452	630
cSt at 100 °C	8.4	11.5	14.8	19.3	24.2	30.1	39.0
Viscosity Index, ASTM D-2270	96	96	96	95	95	95	97
Flash Point, (COC) ° F, ASTM D-92	400	430	410	415	450	460	495
Pour Point, ° F, ASTM D-97	-5	-5	-5	0	5	15	15
Timken OK Load, lb., ASTM D-2782	70	70	70	70	70	70	70
4-Ball EP Test, ASTM D-2783							
Load-wear Index, kg	57	57	57	57	57	57	57
Weld Point, kg	400	400	400	400	400	400	400
4-Ball Wear Test, 20 kg, ASTM D-2266							
1 hr, 1800 rpm, 54° C,							
wear scar diameter, mm	0.27	0.27	0.27	0.27	0.27	0.27	0.3
FZG Gear Test, Stages	12	12	12	12	12	12	12
Demulsibility, ASTM D-2711							
Total Free Water, ml	85	85	85	85	85	85	85
Water in Oil, ml	0	0	0	0	0	0	0
Emulsion, ml	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Rust Test, ASTM D-665A/B	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Copper Strip Corrosion, ASTM D-130	1A	1A	1A	1A	1A	1A	1A
Foam Test, Foam Vol, ml, ASTM D-892	0/0	0/0	0/0	0/0	0/0	0/0	0/0

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