



HB-1128 STARFILM

Industrial Gear Oils-EP

DESCRIPTION:

HB-1128 STARFILM Industrial Gear Oils are an extensive range of gear oils designed for extra-duty service in a wide variety of extreme pressure situations in industrial applications. They are formulated with high quality mineral oils, which help to reduce oil thickening and sludge formation, while increasing service life of machinery.

HB-1128 STARFILM Industrial Gear Oils have a high viscosity index, demulsify effectively, and have a solution stability and thermal stability second to none. They provide excellent resistance to foaming and oxidation.

QUALITIES:

- Excellent wear protection resulting in long equipment life and reduced maintenance costs
- Resists sludge formation which leads to system cleanliness
- Long oil change life due to very good oxidation resistance
- Problem free operation in a wide range of operations
- Superior demulsibility allows for smoother operation even when water contamination is present

APPLICATIONS:

HB-1128 STARFILM Industrial Gear Oils are formulated for the lubrication of most industrial gears. These oils are specially designed for use in multiple gear drives that operate at greatly increased pressure between the surfaces of the gear teeth or where severe shock or overloads are encountered.

Meets Performance Requirements:

- AGMA 250.04
- AGMA 9005-E02
- AGMA 9005-D94
- AIST 224
- Cincinnati Milacron
- David Brown S1.53.101(E)
- US STEEL 224
- DIN 51517 PART 3
- GM LS2
- ISO 12925-1 CKC/CKD
- Clean Panel Coker and S-200 Oxidation Tubes

*** ALWAYS CONSULT YOUR OWNER'S MANUAL FOR THE PROPER FLUID FOR YOUR EQUIPMENT.**

	68	100	150	220
AGMA Number	2 EP	3EP	4EP	5EP
Specific Gravity @ 60f	0.873	0.878	0.883	0.889
Viscosity, Kinematic				
cSt @ 40c Min-Max	61.4- 74.9	90.2- 109.4	136.0- 164.8	197.0- 244.0
cSt @ 100c	8.9	11.5	15.1	19.0
Viscosity Index	110	102	101	97
Flash Point f	421	459	459	419
Pour Point, c(f)	-15(2)	-14(6)	-12(11)	-11(13)
Color, Max	3.5	4.5	4.0	4.0
Copper Corrosion ASTM D130 @ 120C for 3 hrs, Max	2A	2A	2A	2A
Timken OK load, ASTM D2783, lbs, Min	60	60	60	60
Four Ball EP Test, ASTM D2783				
Weld Load, kg, Min	250	250	250	250
Load Wear Index, kg,	48	48	48	48

Typical test data are average values only. Minor variations which do not affect product performance are to be expected during normal manufacturing.