

1299 ALMAPLEX Ultra-Syn Lubricant Technical Data

PHYSICAL CHARACTERISTICS – TYPICAL:

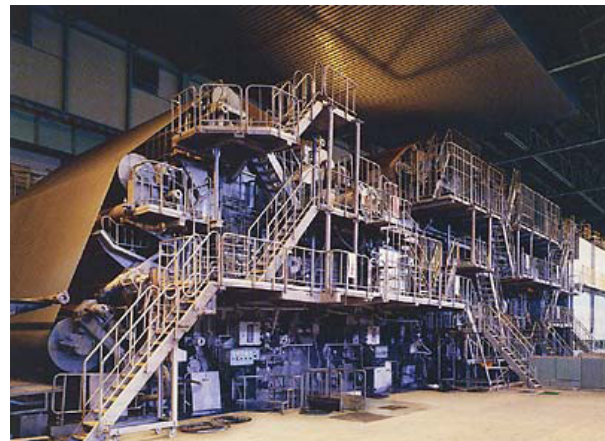
	1299
Thickener Type	Aluminum Complex
NLGI Grade	2
Color	Gold
Texture	Stringy
Penetration ASTM D 217	
Unworked, 0-Stroke	285
Worked, 60-Stroke	287
Worked, 10,000-Stroke	290
Base Oil Viscosity @ 40°C	460
Dropping Point °C (°F)	273 (523)

PERFORMANCE TEST RESULTS – TYPICAL:

Copper Strip Corrosion, ASTM D 4048	1b
Timken EP, ASTM D 2509, lbs.	55
Rust Prevention, ASTM D 5969, 3% Sea Water	Pass
Four Ball EP, ASTM D 2596	
LWI	69.7
Weld Point, kg	315
Four Ball Wear, ASTM D 2266, mm	0.49
Water Spray Off, ASTM D 4049, % loss	6.6
Water Washout @ 176°F (80°C), ASTM D 1264, % loss	0.45
EMCOR Rust Test, ASTM D 6138 (Distilled water)	
Bearing Value	0,0,0
Lincoln-Ventmeter @ 30°F (-1°C), PSI	300
Low Temperature Torque, ASTM D 4693 @ -40°F (-40°C), N-m	<10
U.S. Steel Mobility of Grease @ 0°F (-18°C)	2.4 g/min
Oil Separation, ASTM D 1742, % loss	<2.0
High Temperature Life, ASTM D 3527	120.5 hrs.
Leakage Tendencies, ASTM D 4290, % loss	0.92

BENEFICIAL QUALITIES:

100% synthetic ISO 460 viscosity range base fluids.
Compounded with long-lasting corrosion inhibitors and extreme pressure (EP) additives.
Excellent resistance against corrosion by seawater as demonstrated by ASTM D5969.
Contains ALMASOL®, LE's exclusive wear-reducing additive.
Synergistic combination of synthetic base fluids and additives provide excellent high temperature oxidation resistance and thermal stability.
Contains QUINPLEX®, an exclusive LE additive that enhances lubricant performance.
Good low temperature characteristics.
Synthetic base fluids provide excellent low volatility properties.
Resistant to mechanical shear.
Aluminum complex thickener system provides grease reversibility: reverts back to grease consistency after high temperature exposure.



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