TECHNICAL DATA BULLETIN

1274-1275 ALMAPLEX® Industrial Lubricant

LEADERS IN LUBRICANTS

DESCRIPTION:

Complex base grease designed for long life and the best lubrication. Extremely oxidation resistant, water resistant and provides excellent rust protection.

Contains ALMASOL®, LE's exclusive wear-reducing additive. It is an inorganic lubricating material with a lamellar structure which is high in compressive strength and has slip-planes which slide easily over one another. ALMASOL® is chemically inert and has an affinity for metal.

PHYSICAL CHARACTERISTICS—TYPICAL:

	1274	1275
NLGI Grade	1-1/2	2
Worked Penetration @ 77ºF (25ºC)	295-310	265-295
Color	Orange	Orange
Texture	Smooth	Smooth
Base Thickener	Aluminum Complex	Aluminum Complex
Dropping Point, ºF (ºC)	450 (232)	450 (232)
Base Oil:		
Viscosity,		
SUS @ 100ºF	1,100	1,100
SUS @ 210ºF	90	90
cSt @ 40ºC	210	210
cSt @ 100ºC	17.5	17.5

PERFORMANCE TEST RESULTS – TYPICAL:

Timken, ASTM D-2509, lbs.	45	45
Oxidation Stability, ASTM D-942		
psi drop @ 100 hrs.	4	5
psi drop @ 1,000 hrs.	12	15
Water Spray-off, ASTM D-4049, % max.	28.1	20
Wheel Bearing Leakage, ASTM D-1263, grams	3.1	1.4
Rust Test with Distilled Water, ASTM D-1743	Pass	Pass
Oil Separation Mass%, F.T.M. 321.2	3.6	2.0
Four Ball EP Test, ASTM D-2596		
LWI	—	64
Weld Point, kg	—	400

APPLICATION:

Excellent for inplant industrial use. Electric motors, machine tools, presses, forging equipment, metal fabricating, woodworking and general plant lubrication. Can be used in centralized lubrication systems.

LUBRICATION ENGINEERS, Inc.®

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LE PRODUCTS MANUFACTURED UNDER AN ISO 9001 CERTIFIED QUALITY SYSTEM

BENEFICIAL QUALITIES:

Bearings operate cooler with ALMASOL®, LE's exclusive wear-reducing additive.

Very high dropping point.

Excellent oxidation resistance and rust protection.

Reversibility (reverts to grease form after melting).

Water resistant.

45 lb. Timken OK Load.

Select crudes and special refining provide long life.

Excellent for both electric motors and wheel bearings.

Multi-purpose industrial lubricant.

Retains soft body and plasticity much longer than ordinary greases.

Good low temperature pumpability.

The ALMASOL® additive imparts special wear-reducing qualities. Field experiences in severe service show lower operating temperatures and longer life with ALMASOL® than with ordinary greases.

Adhesiveness causes grease to cling tightly and protect bearing surfaces.

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