Product Information

Almaplex® Industrial Lubricant (1275-1274)

Versatile Wear-Reducing Grease Protects Equipment from Moisture & Heat



A general purpose extreme pressure grease for heavy industrial use, Almaplex Industrial Lubricant is extremely versatile, minimizing inventory requirements and misapplication because it works in many different applications. It is especially effective in severe operations caused by moisture or high temperatures. Its robust aluminum complex formulation seals out water and other contaminants that can wreak havoc on the long-term life of equipment.

Almaplex Industrial Lubricant protects against oxidation, rust and corrosion, and its exceptional wear reduction has led LE customers worldwide to redefine "normal" or "expected" equipment life. With longer bearing life, fewer repairs, less downtime and lower lubricant consumption, switching to Almaplex has helped many companies lower their maintenance costs.

Beneficial Qualities

Reduces Wear

- Reduces friction, heat and wear
- Seals out dirt and other contaminants
- Protects against welding and scoring
- Adheres to metal surfaces even at high speeds
- Has a Timken OK load of 45 lb (20.4 kg)

Protects from Moisture

- Seals out water
- Will not emulsify or wash out when moisture is present
- Protects against rust and corrosion

Withstands Heat & Cold

- Retains consistency and lubricating qualities over broad range of operating temps and conditions
- Exhibits excellent reversibility characteristics and won't bleed or cake when it cools
- Performs beyond limits of ordinary greases because of its oxidation resistance
- Has a high dropping point of 232°C (450°F)
- Maintains excellent pumpability and lubricating characteristics at temps down to -29°C (-20°F)

Provides Extended Service

- Retains soft body and plasticity much longer than ordinary greases
- Requires less lubricant consumption

Available Grades

- NLGI 2 (1275)
- NLGI 1-1/2 (1274)

Proprietary Additives

LE's proprietary additives are used exclusively in LE lubricants. Almaplex Industrial Lubricant contains Almasol.

Almasol® solid wear-reducing additive is able to withstand extremely heavy loads, chemical attack and temperatures up to 1,038°C (1,900°F). It is attracted to metal surfaces, forming a microscopic layer but not building on itself or affecting clearances. Almasol minimizes metal-to-metal contact and the resulting friction, heat and wear.

Technical Data

Almaplex® Industrial Lubricant

	1275	1274
Thickener Type	Aluminum Complex	Aluminum Complex
Texture	Smooth	Smooth
Color	Orange	Orange
NLGI Grade	2	1-1/2
Worked 60 Penetration ASTM D217	280	305
Dropping Point °C (°F), ASTM D2265	232 (450)	232 (450)
Base Fluid Characteristics		
Flash Point °C (°F) (COC), ASTM D92	249 (480)	249 (480)
Viscosity @ 100°C, cSt, ASTM D445	17.5	17.5
Viscosity @ 40°C, cSt, ASTM D445	210	210
Viscosity Index ASTM D2270	89	89
Pour Point °C (°F), ASTM D97	-18 (0)	-18 (0)
Oxidation drop in psi @ 100 hrs, ASTM D942	5	4
Oxidation drop in psi @ 1,000 hrs, ASTM D942	15	12
Corrosion Prevention DI H_2O, ASTM D1743	Pass	Pass
Oil Separation 30 hrs @ 100°C, % bleed, ASTM D6184	2.0	3.6
Timken OK Load lbs, ASTM D2509	45	45
Four-Ball EP Weld Point kgf, ASTM D2596	400	400
Four-Ball EP Load Wear Index kgf, ASTM D2596	64	64
Water Spray-off % loss, ASTM D4049	20.0	–
Water Washout % loss, ASTM D1264	1.44	–
Leakage Tendencies gram loss, ASTM D4290	1.4	3.1

Performance Requirements Met or Exceeded

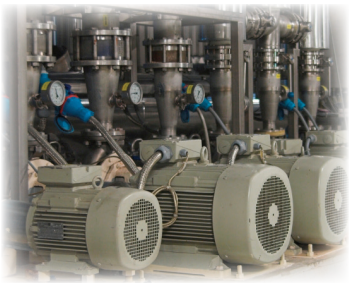
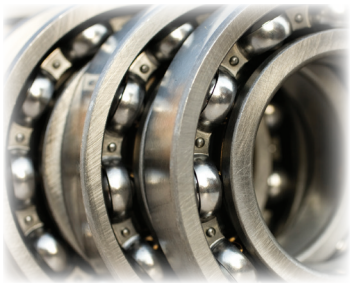
- Angelus Sanitary Can Machine (1275)
- Baker Perkins 69D (1275)
- Diamond Power Soot Blowers (1275)
- G.A. Braun – Ironer (1275)
- Kartridge Pak Co. – Food Stuffer (1275)
- H2

Recommendations

- Almaplex 1274 works well in centralized lubrication systems.

Typical Applications

- Plain, anti-friction, high-speed and slow-speed bearings
- Conveyor, fan and wheel bearings
- Electric motors
- Forging equipment
- Machine tools
- Presses
- Rotary aerators
- U-joints



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