



## 1101 ALITHICON PARA/SYNTHETIC STOKER TRAVELING GRATE BEARING LUBRICANT

THE 1101 ALITHICON PARA/SYNTHETIC STOKER TRAVELING GRATE BEARING LUBRICANT WAS FORMULATED AND FIRST USED IN A PAPER MILL POWER HOUSE STOKER IN 1982 WITH EXCELLENT RESULTS.

THE ORIGINAL PAPER MILL USER EXPERIENCED A 300% INCREASE IN STOKER AND TRAVELING GRATE BEARINGS AND SHAFTS, OVER THE BEST LUBRICANT PREVIOUSLY USED.

PLANNED STOKER REBUILD WAS EXTENDED FROM AN ANNUAL TASK TO A REBUILD EVERY 3 YEARS.

### USER BENEFITS:

- ✓ WITHSTANDS HIGH TEMPERATURES, UP TO 500° F
- ✓ WILL NOT HARDEN IN SERVICE
- ✓ WILL NOT PLUG BEARING LUBRICANT FEED LINES
- ✓ EASILY DISPENSED BY HANDGUNS, AIR GUNS, OR CENTRALIZED LUBRICATING SYSTEMS
- ✓ TIMKEN O.K. LOAD RATING, 60 lbs, MIN.
- ✓ EXTENDS STOKER TRAVELING GRATE BEARINGS AND SHAFT LIFE OF UP TO 300% OVER THE MORE COMMONLY USED GREASE

### AVAILABLE PACKAGING:

50 - 14.5 oz TUBE CASE	120 lb KEG
6 - 7.5 lbs CAN CASE	420 lb DRUM
45 lb PAIL	BULK

PLEASE SEE REVERSE SIDE FOR TYPICAL SPECIFICATIONS

**1101 ALITHICON PARA/SYNTHETIC  
STOKER TRAVELING GRATE BEARING LUBRICANT**

TYPICAL SPECIFICATIONS	TEST RESULTS
NLGI GRADE	1
WORKED PENETRATION (ASTM D-217)	315
PROLONGED WORKED PENETRATION (ASTM D-217), % CHANGE	0.78
DROPPING POINT, MIN. (ASTM D-566), ° F	500
TIMKEN O.K. LOAD, lbs MIN. (ASTM - 2782)	60
ACID RESISTANCE	EXCELLENT
ROLL STABILITY (ASTM D-1831), % CHANGE	0.6
LEAKAGE TENDENCIES, % MAX. (ASTM D-1264)	0.3
WATER WASHOUT, % MAX. (ASTM - 1264) 30° C (100° F) 79° C (175° F)	0 0
OXIDATION STABILITY, MAX. (ASTM D-942), PRESSURE DROP @ 100 HRS., KPS (PSI)	2
FOUR BALL METHOD, MAX. LOAD WHICH WELDING OCCURS, kg (lbs) (ASTM D-2598)	2.64
WEAR PREVENTATIVE CHARACTERISTICS (ASTM D-2266) MAX. SCAR DIAMETER 40 kg LOAD, 1200 RPM	3 mm
DENSITY, lbs PER GALLON	7.7
COPPER STRIP CORROSION (ASTM D-130)	1A (PASS)

**BASE OIL INFORMATION**

VISCOSITY, SUS @ 100° F	1225
VISCOSITY, SUS @ 210° F	75
VISCOSITY INDEX	110
BASE OIL PARTICLE COUNT RATINGS ISO CLEANLINESS CODE RATING (DIS 4406) NAS 1638 CLEANLINESS CODE RATING SAE - J1165 CLEANLINESS CODE RATING	16 / 13 7 4

**1101 & 1102 LUBRICANT COMPATIBILITY**

COMPATIBLE	INCOMPATIBLE	BORDERLINE
CALCIUM 12-HYDROXY	BARIUM COMPLEX	CALCIUM SULFONATE COMPLEX
LITHIUM COMPLEX	CALCIUM STEARATE	
SILICA	CALCIUM COMPLEX	
ALUMINUM COMPLEX	BENTONE / CLAY	
	LITHIUM STEARATE	
	LITHIUM 12-HYDROXY	
	POLYUREA	
	SODIUM	

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