



ALITHICON C-155 **SYNTHETIC BEARING LUBRICANT**

THE **ALITHICON C-155 SYNTHETIC BEARING LUBRICANT** IS SPECIFICALLY FORMULATED TO BE APPLIED WHERE CONVENTIONAL SOAP-THICKENED, OR SO CALLED NON-MELT GREASES, WILL NOT PROVIDE ADEQUATE PERFORMANCE.

THE **ALITHICON C-155 SYNTHETIC LUBRICANT** IS A SYNTHETICALLY THICKENED GREASE WHICH EMPLOYS A HIGH THERMAL STABLE SYNTHETIC BASE FLUID, ALLOWING IT TO PROVIDE SUPERIOR LUBRICATION AND PROTECTION TO BEARINGS WHICH MUST OPERATE IN TEMPERATURES OF UP TO 700° F WITHOUT MELTING OR HARDENING IN SERVICE.

TWO ADDITIONAL IMPORTANT FEATURES OF THE **ALITHICON C-155 SYNTHETIC LUBRICANT** IS: BEING WATERPROOF, RESISTING WATER WASH-OUT, AND HAVING A LONG SERVICE LIFE, REDUCING GREASE CONSUMPTION AS MUCH AS 80% WHEN COMPARED TO OTHER GREASES NORMALLY USED IN THESE APPLICATIONS.

THE **ALITHICON C-155 SYNTHETIC LUBRICANT** HAS AN O.K. TIMKEN LOAD RATING OF 100 lbs, MINIMUM, AND WILL PRODUCE AND EXTENDED BEARING LIFE OF UP TO 400%.

IT IS NOT NECESSARY TO LIMIT THE USE OF THE **ALITHICON C-155 SYNTHETIC LUBRICANT** ONLY TO BEARINGS OPERATING UNDER EXTREME TEMPERATURES OR WET CONDITIONS TO JUSTIFY THE ADDITIONAL COST. MANY LONG-TIME USERS OF THE **ALITHICON C-155 SYNTHETIC LUBRICANT** STATE THAT IT WAS PRIMARILY PURCHASED FOR USE IN THESE EXTREME, HIGH MAINTENANCE AREAS, BUT IT WAS LATER TRIED IN BEARINGS ON MACHINERY OPERATING IN AMBIENT TEMPERATURES AND UNDER AVERAGE CONDITIONS. BY REDUCING LUBRICANT CONSUMPTION, THE COST DIFFERENCE WAS JUSTIFIED. EXTRA PROFITS FROM THE USE OF THE **ALITHICON C-155 SYNTHETIC LUBRICANT** WAS GENERATED BY REDUCING LUBRICANT REPLACEMENT, LABOR COSTS, LESS MACHINERY DOWNTIME, AND INCREASED PRODUCTION.

USER BENEFITS:

- * WITHSTANDS HIGH TEMPERATURES OF UP TO 700° F
- * WATERPROOF
- * WILL NOT MELT OR SLING FROM BEARINGS
- * REDUCES LUBRICANT CONSUMPTION OF UP TO 80%
- * EXCELLENT PUMPABILITY THROUGH CENTRALIZED LUBRICATION SYSTEMS
- * AN O.K. TIMKEN LOAD RATING OF 100 lbs, MINIMUM
- * EXTENDS BEARING LIFE OF UP TO 400%

**FOR TYPICAL SPECIFICATIONS, TEST RESULTS, APPLICATIONS,
AND COMPATIBILITY INFORMATION, SEE FOLLOWING PAGE**

ALITHICON C-155 SYNTHETIC LUBRICANT INFORMATION

APPLICATIONS: DRY KILN FAN BEARINGS, SEALED FOR LIFE BEARINGS, STACK LOUVERS, COOKER BEARINGS, FLOTATION DRYER BEARINGS, TEXTILE MACHINERY, DOCTOR BEARINGS ON YANKEE DRYERS, ELECTRICAL GENERATING TURBINE LINKAGE BEARINGS, STOKER TRAVELING GRATE BEARINGS, AND MANY, MANY MORE.

TYPICAL TEST DATA	ASTM TEST	C-155
NLGI GRADE		1.5
COLOR		CLEAR
WORKED PENETRATION		305
PROLONGED WORKED PENETRATION, % CHANGE	D-217	0.8
DROPPING POINT, MIN.	D-566	NON-MELT
TEMPERATURE OPERATING RANGE		+28° F TO +700° F
TIMKEN O.K. LOAD, lbs, MIN.	2782	100
ACID RESISTANCE		EXCELLENT
ROLL STABILITY, % CHANGE	1831	0.6
LEAKAGE TENDENCIES, % MAX.	D-1264	0.1
WATER WASHOUT, % MAX. 38° C (100° F) 70° C (175° F)	D-1264	0.02 0.02
OXIDATION STABILITY, MAX. PRESSURE DROP @ 100 hrs., KPS (PSI)	D-942	1
FOUR BALL METHOD, MAX. LOAD WHICH WELDING OCCURS kg (lbs)	D-2596	3.94
WEAR PREVENTATIVE CHARACTERISTICS, MAX. SCAR DIAMETER 40 kg LOAD, 120 R.P.M.	D-2266	.2 mm
DENSITY, lbs PER GALLON		7.04

BASE FLUID

VISCOSITY CENTISTOKES, 40° C	1,400
VISCOSITY SUS @ 100° F	6,485
VISCOSITY SUS @ 210° F	463
VISCOSITY INDEX	160

AVAILABLE PACKAGING

* 30 - 14.5 oz TUBE CASE	* 6 - 7.5 CAN CASE	* 45 lb PAIL
* 120 lb KEG	* 420 lb DRUM	* BULK

LUBRICANT COMPATIBILITY

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

