

RECOMMENDED LUBRICATION & RE-LUBRICATION GUIDE ACHE'S 2025



PARTS TO BE LUBRICATED	MANUFACTURER	GREASE (STANDARD)	SERVICE PERIOD AND QUANTITY
MOTORS	TECO WEG ABB-BALDOR GE	POLYREX EM2-POLYUREA POLYREX EM2-POLYUREA POLYREX EM2-POLYUREA POLYREX EM2-POLYUREA	0.5 oz every 4 months, see note below regarding amounts using teaspoon or tablespoon.
FAN SHAFT BEARINGS	HUDSON* TIMKEN* DODGE-(BALL) DODGE (ROLLER) SKF LINK-BELT FAFNIR NTN	SHELL ALVANIA EPLF2-LITHIUM GR-22-POLYUREA UNIREX-N2-LITHIUM XHP-222-LITHIUM LITHIUM LITHIUM LITHIUM SHELL ALVANIA RL2-LITHIUM	Every 30 days add 10 shots from standard grease gun or until you see grease purge out lip seals without forcing seals. Best to re-lube when running if possible.

(*) HUDSON AND TIMKEN ACHE BEARINGS ARE ALREADY 100% FULL AT FACTORY.

BE SURE TO 100% FILL ALL FAN

SHAFT BEARINGS AT THE START OF PROJECT. THIS NOTE DOES NOT APPLY TO MOTOR BEARINGS.

MOTOR BEARINGS: DO NOT OVER-GREASE MOTOR BEARINGS.

EXCESS GREASE WILL GET INTO THE WINDINGS, WHICH COULD CAUSE A PREMATURE FAILURE. EVERY GREASE GUN IS A BIT DIFFERENT SO TEST YOUR GUN WITH A TEASPOON OR TABLESPOON FROM LUNCHROOM.

0.5 OZ = .7 CUBIC INCHES = 2.5 TEASPOONS = 0.8 TABLESPOONS

CAUTION:

DO NOT MIX INCOMPATIBLE GREASES.

YOU NEED TO CHECK THE SOAP BASE WITH THIS CHART

OR USE PARAGON 3000 EXTREME, WHICH HAS A DOUBLE BASE (CALCIUM-LITHIUM COMPLEX).

THIS WORKS WITH ALL MOTOR AND FAN SHAFTS ON ACHE'S.

SEE THE NEXT PAGE FOR THE SPECIFICATIONS.

RESULTS OF GREASE COMPATIBILITY STUDY

Calcium 12- Hydroxy - 880 CROWN & CHASSIS and MOLLY 880

Calcium-Lithium Complex - PARAGON 300

Clay-Bentone - Hi-Temp - Moly Hi-Temp

Please note this chart is representative of compatibility testing conducted at Texas Refinery Corp. By no means is this guaranteed as an industry standard.

	Aluminum Complex	Barium Complex	Calcium	Calcium 12-hydroxy	Calcium Complex	Calcium-Lithium Complex	Calcium Sulfonate	Clay - Bentone	Lithium	Lithium 12-hydroxy	Lithium Complex	Polyurea	Sodium
Aluminum Complex	C	I	I	I	I	C	B	I	I	I	I	B	I
Barium Complex	I	C	I	I	I	C	B	I	I	I	I	I	I
Calcium	I	I	C	C	C	C	B	I	C	C	C	C	I
Calcium 12-hydroxy	I	I	C	C	C	C	I	I	C	C	C	I	I
Calcium Complex	I	I	C	C	C	C	B	I	B	B	B	B	I
Calcium-Lithium Complex	C	C	C	C	C	C	C	C	C	C	C	C	I
Calcium Sulfonate	B	B	B	I	B	C	C	I	B	B	B	B	I
Clay - Bentone	I	I	I	I	I	C	I	C	I	I	I	I	I
Lithium	I	I	C	C	B	C	B	I	C	C	C	B	B
Lithium 12-hydroxy	I	I	C	C	B	C	B	I	C	C	C	B	B
Lithium Complex	I	I	C	C	B	C	B	I	C	C	C	B	B
Polyurea	B	I	C	I	B	C	B	I	B	B	B	C	I
Sodium	I	I	I	I	I	I	I	I	B	B	B	I	C

◆ Paragon 3000 EXTREME Offers Unmatched Versatility

With a low operating temperature range of -40°C, and a dropping point of 346°C (655°F), Paragon 3000 EXTREME provides unmatched versatility. Paragon 3000 EXTREME can go from the freezer to the oven, making it the perfect grease for manufacturing facilities, steel mills, snowplows, outside pump drives, excavation equipment, mining equipment, drilling equipment, water treatment facilities, logging equipment, quarries, feed mills, and marine equipment. The operating temperatures of Paragon 3000 EXTREME gives this grease the flexibility to go anywhere you want it to. When an operation absolutely, positively cannot suffer a halt in production, this is where Paragon 3000 EXTREME shines most.

PARAGON 3000 EXTREME SPECIFICATIONS

Product Code		108501
NLGI Consistency	Test Method	No. 2 Grade
Penetration: Worked 60 Stroke Control Range	(ASTM D217-52T)	265-295
Extreme Pressure by Timken OK Load Passing At	(ASTM D-2509)	100 pounds Minimum
Color		Blue
Texture		Stringy
Water Resistance		Excellent
Water Washout @79°C	(ASTM D-1264)	0.59%
Dropping Point, °F/°C	(ASTM D-2265)	346°C/655°F Typical
Combination	(ASTM D128-57)	
% Soap		10.0 Maximum
% Filler		Trace
% Water		Trace
Stability by Penetration (typical) after 60 worked strokes	(ASTM D217-52T)	282
Stability by Penetration (typical) after 10,000 worked strokes	(ASTM D217-52T)	280
Stability by Penetration (typical) after 100,000 worked strokes	(ASTM D217-52T)	274
Unit Load, PSI		29,000
4 Ball EP Test	(ASTM D-2596)	315 kg Weld Point
4 Ball Wear Test	(ASTM D-2266)	.33 mm Scar Diameter
Dielectric Strength	(ASTM D149)	17,680 V
Volts, 50mil		354 Volts/mil
Low Temp Torque Test @ -30°C	(ASTM D-1478)	.42 Nm
Low Temp Torque Test @ -40°C	(ASTM D-1478)	1.14 Nm
Automotive Wheel Bearing		Pass
by Leakage Tendencies	(ASTM D-1263-52T)	No Leakage, No Varnish
Consistency at Various Temperature by Unworked Penetration	(ASTM D217-52T)	
@ 0°F.		190-210
@ 77°F.		265-295
@ 100°F.		280-300
Maximum Recommended Operating Temperature		302°C/575°F
Oil Separation	(ASTM D-1742)	0.00%
Oxidation of Grease by Bomb Test Drop	(ASTM D942)	Less than 1 PSI pressure drop for 500 hours

Handling Information: For safe handling of the product, read the Safety Data Sheet (SDS).

PARAGON 3000® EXTREME is a registered trademark of Texas Refinery Corp

NSF Registration Category Code: H2



CANADA

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PRINTED 2024
CB108501E