

# THIXO EP2 GREASE

Aviation Thixo EP2 Grease is specifically engineered to provide outstanding results in the most extreme conditions. The incredible flexibility in performance allows the grease to be used in a wide range of aviation applications.

Aviation Thixo EP2 Grease uses an advanced thickening agent and superior additive technology which exhibits a high resistance to water washout and has excellent thermal and oxidation stability which can result in longer component life and increased production. Aviation Thixo EP2 Grease demonstrated outstanding shear stability and exhibits a broad temperature range (-35°C to >250°C).

Approved for use on helicopter and aviation equipment in areas as specified by the OEM.

Aviation Thixo EP2 Grease is approved and recommended for use in a wide range of Bell Helicopter models for specific application primarily as a CPC to prevent corrosion and seizing of critical components in simple nuts, bolts as well as drives, hub sets and splines.

**Meets or exceeds the following Bell Consumable Material Ref C-561.**

**Aviation Thixo EP2 Grease:** For use in Aviation (fixed wing and rotary) greasing applications as specified by the OEM. Aviation Thixo EP2 Grease should not be considered an alternate for other greases in all applications. Be sure to carefully read and apply all instructions found in the maintenance manuals and technical service bulletins published by the OEM

Product ID#	3810-3 (425g Tube x 30)	3811-0 (17kg Pail) 3812-0 (55kg Keg)	3813-0 (180kg Drum)
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TYPICAL PROPERTIES	ASTM METHOD	AVIATION THIXO EP2
NLGI Consistency Grade	NA	2
Appearance	NA	Tan, Smooth, Buttery
Worked Penetration (60 Strokes - mm/10)	D 217	288
Dropping Point (°C)	D 2265	>308 (586°F)
Oil Separation (% W loss)	D 1742	0
BASE OIL PROPERTIES		
Viscosity @ 40°C cSt	D 445	182.2
Viscosity @ 100°C cSt	D 445	14.8
Viscosity Index	D 2270	76
Specific Gravity @ 60°F/60°F	D 1298	0.9015
Density @ 20°C (g/cm³)	D 1298	0.9011
Pour Point (°C)	D 97	-18
PERFORMANCE TESTING		
Timken OK load (kg)	D 2509	>36 (80 lbs)
4 Ball EP - Load Wear Index - 60 min (kgf)	D 2596	88.9
4 Ball EP - Weld Load (kgf)	D 2596	500
4 Ball Wear (mm)	D 2266	0.48
Water Washout (% loss @ 79°C (175F))	D 1264	1.28
Salt Spray Corrosion Test, 5% Salt Fog @ 300hrs	D 610 + B 117	#10 No Corrosion
Low Temperature Torque (Nm @ -20°C) 1hr running	D 4693	0.03
Corrosion Prevention	D 1743	Pass

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GREASE COMPATIBILITY											
	Thickener	1	2	3	4	5	6	7	8	9	10
1	Ca sulfonate complete		NC	NC	FC	FC	NC	FC	FC	NC	NC
2	Aluminum complex	NC		NC	FC	NC	NC	NC	NC	NC	NC
3	Barium	NC	NC		FC	NC	NC	NC	NC	NC	NC
4	Anhydrous calcium	FC	FC	FC		SC	FC	FC	FC	NC	NC
5	Calcium complex	FC	NC	NC	SC		NC	NC	FC	FC	NC
6	Clay	NC	NC	NC	FC	NC		NC	NC	NC	NC
7	Lithium	FC	NC	NC	FC	NC	NC		FC	NC	SC
8	Lithium complex	FC	NC	NC	FC	FC	NC	FC		NC	SC
9	Polyurea	NC	NC	NC	NC	FC	NC	NC	NC		NC
10	Sodium	NC	NC	NC	NC	NC	NC	SC	SC	NC	

**Legend:**

FC - Fully compatible

SC - Somewhat compatible: Mixture soften, but remains grease like

NC - Not compatible: Mixtures soften severely and do not remain grease like

All precautions were taken to ensure that the data in this table are correct, however it is recommended that you consult the manufacturer before mixing two different products.