



## BISHOP'S ORIGINAL PRODUCTS, Inc.

7111 CLINTON DR

HOUSTON, TX 77020

713/671-2545

FAX 713/671-0774

# PRODUCT DATA SHEET

### PERMAFUSED ANTI WEAR ENGINE PROTECTION AIRCRAFT ENGINES up to 1,000 Horsepower PFL Formula 102

The unique chemistry of this proprietary formulation, chemically bonds a micro-thin Perfamfused Lubricant film to all lubricated metal surfaces inside an engine. Provides full time Pfl protection from friction, heat, wear, acid and corrosion, unequaled by modern day oils, synthetic lubricants, oil additives, moly or PTFE type engine treatments. **Bishop's Original** reacts only with PFL activated metal and does not build-up, change tolerances or alter oil flow through galleys and filters.

This unique formula has proven over the past 14 years, through consumer use and official FAA Testing for acceptance under 20-24A and FAR 33.49 guidelines, to provide unequaled protection and performance. The use of **Bishop's Original** PFL Anti Wear Engine Protection will not void manufactures engine warranty.

#### BENEFITS:

Reduces Friction, Heat & Drag  
Reduces Fuel Consumption

Reduces Wear  
Improves Power

Improves Performance  
Extends Engine Life

#### DIRECTIONS FOR USE:

Change oil and filter. Add **Bishop's Original** Aircraft Engine Anti Wear Protection at a 1 to 5 ratio with a quality aircraft oil. Run engine for 2 minutes to blend. Make the next oil change as recommended by the manufacturer. For optimum performance and protection we recommend re-treating every 300 hours. DO NOT USE in engines with less than 25 hours if engine is new or has been overhauled until rings have seated. After rings have seated, **Bishop's Original** Aircraft Engine Protection may be used regardless of the accumulated hours on the engine.

#### SPECIFICATIONS:

Carbon Residue Conradson.....	0.71 Wt%
API Gravity @ 60°F.....	28.2
Viscosity @ 100°F.....	143.15CST/663.24 SUS
Viscosity @ 210°F.....	17.47CST/87.93 SUS
Viscosity @ 40°C.....	129.45 CST
(104°F).....	599.96 SUS
Viscosity @ 100°C.....	17.26 CST
(212°F).....	87.05 SUS
Viscosity Index.....	128
Flash Point.....	470°F
pH.....	4.9
Total Acid Number.....	2.0 mg.KOH/g
Pour Point .....	0°F
Sulfur.....	0.303 Wt.%

Additive package in **PFL Formula 102** is compatible with petroleum and synthetic aircraft oils.

**PACKAGING:** 32 oz - 6 per case.

This data is subject to variation, it is not to be used for specification purposes. Because we can not control conditions of use, we do not guarantee the results. Users of this product will make their own test to determine the suitability for their particular purpose. No statement we make about this product may be construed as a recommendation to infringe any patent.