

AVBLEND OIL ADDITIVE

E-Mail: sales@asapspares.com.au

AVBLEND LUBRICANT



Our Part Number	Quantity	Stocked
AVBLEND 13oz	13oz tin	*

The only product of its kind, AVBLEND is a unique "micro"-lubricant. AVBLEND molecules have been reformulated to be smaller than regular oil molecules. The results of this reformulation allow AVBLEND to soak deeper into the metal than any other lubricant. AVBLEND penetrates, cleans, lubricates and protects aircraft piston engines from the inside out.

AVBLEND uses your aircraft's engine oil as a carrying agent to reach metal working surfaces inside your engine. When your engine reaches operating temperature, AVBLEND soaks into the metal surfaces. Once AVBLEND has penetrated the internal components of an engine, the parts are continuously lubricated and cleaned. Continuous use of AVBLEND helps reduce future harmful carbon deposit buildup.

If you were to look at the metal in your engine through a microscope, you would see that the surface is far from smooth. You would see peaks and valleys, blunt and sharp edges. Your aircraft engine's oil moves over the surface doing its best to provide lubrication. However, the oil molecules are too large to provide penetration in the small grooves and protect the entire surface of your engine. AVBLEND's depth-soaking molecules are small enough to fill in these tiny nooks and crannies and penetrate deep into the metal, thus providing better lubrication with moving pieces. Plus, AVBLEND cleans the surface from harmful deposits.

Dry-Start Damage

After initial start-up, although oil pressure registers on the cockpit gauges, it can take an additional 45 to 120 seconds for oil to reach critical parts of your engine. Starting your engine is the major cause of engine wear. The piston (below left) removed at overhaul shows severe thrust side scoring which is common when AVBLEND is not used. The piston (below right) shows thrust side commonly seen at TBO using AVBLEND.

Rust and Corrosion

Most aircraft owners, quite simply, don't fly their airplanes enough. These periods of inactivity can cause irreversible rust and corrosion which can lead to premature replacement of expensive internal engine parts. The camshaft (below left) shows significant rust and corrosion damage which resulted in premature replacement. The camshaft (below right) was protected by AVBLEND and made it to TBO still within factory limits.

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Carbon and Deposit Build-Up

Leaded aviation fuels combined with high operating temperatures create an environment for carbon and deposit build-up in the most critical areas of your engine. AVBLEND kept the exhaust guide (below right) virtually carbon free and dimensionally correct while the unprotected guide (below left) shows significant carbon.

Valve Stem Deposits and Wear

Carbon and deposit build-up (below left) can cause valve sticking and excessive valve stem and guide wear which can lead to catastrophic engine failure. AVBLEND (below right) can help to minimize these potentially dangerous deposits and wear.

***Carried on shelf**