

8800 MONOLEC ULTRA® ENGINE OIL

LAKELAND AVIATION, Corcoran, CA

Crop Spraying Equipment • SIC 0721 Crop Planting & Protecting

Since converting to LE's 8800 the pump life has been extended from 2 months to over 4 years

CUSTOMER TESTIMONIAL

CUSTOMER PROFILE

Lakeland Aviation, located in Corcoran, CA, provides aerial application of agricultural chemicals and fertilizers for the agribusiness operations in the Corcoran area. They have been an LE customer since 1987.

APPLICATION

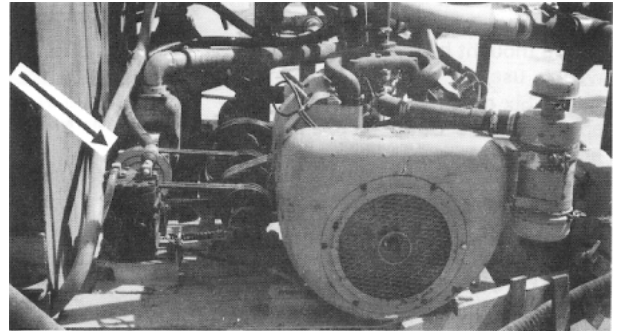
The mixing and pumping equipment is a vital part of the spraying operation of Lakeland Aviation.

AREA OF INTEREST

When using various commercial grade and aviation grade engine oils in this ground equipment, Lakeland Aviation was only able to make the Tecumseh pumps last two months before the bearings and rings would wear out and the pumps would seize up. While using commercial grade engine oil, the Wisconsin engines would only last one year, two at a maximum, even with weekly (100 hr.) oil changes.

LE SOLUTION

LE Lubrication Consultant Mark Nickel recommended that Lakeland Aviation use LE's 8800 MONOLEC ULTRA® Engine Oil in these units to extend their life. The severe nature of the service is increased by Lakeland's use of AV-995 to fuel these units, thus creating very high combustion temperatures.



This photograph shows the Tecumseh pump at left and the Wisconsin engine on the right. These units are protected by LE's 8800 MONOLEC ULTRA Engine Oil.

LE's 8800 MONOLEC ULTRA® Engine Oil is made from select paraffinic base oils and a synergistic blend of additives to reduce wear and provide all-season, all-weather performance. LE's 8800 contains MONOLEC®, LE's exclusive wear-reducing additive, which greatly increases the oil's film strength to provide protection for pistons, rings, cylinders and valve guides at elevated combustion temperatures.

CUSTOMER COST SAVINGS

*Since converting to LE's 8800 MONOLEC ULTRA® Engine Oil, the pump life has been extended from 2 months to over 4 years. This saves Lakeland Aviation downtime and replacement costs of \$300 per pump, each time a pump would be rebuilt. **The Wisconsin engines have now extended their oil change intervals to one month or 400 hours. These air-cooled engines are now lasting over 6 years!***

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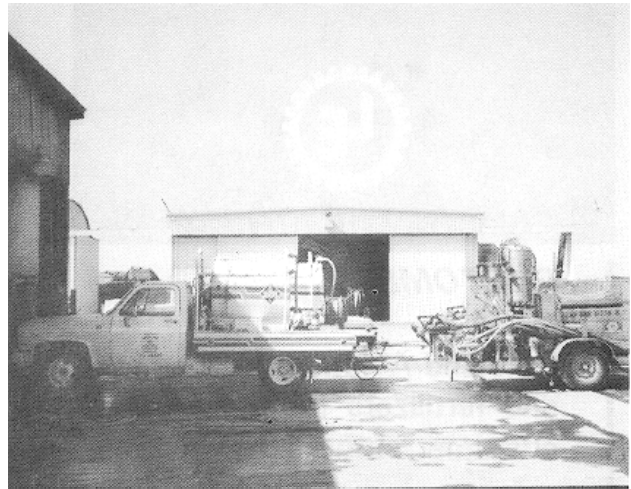


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According to Maintenance Mechanic Ernest "Cobra" Aguilar, he installed LE's 8800 MONOLEC ULTRA® Engine Oil in one older Wisconsin engine that was "clanking and blowing lots of smoke". He thought he might get another couple of week's use out of it while waiting for a replacement. Six months later the engine was finally replaced. LE's 8800 stopped the clanking and smoking.

Based on the excellent performance of LE's 8800 MONOLEC ULTRA Engine Oil in these units, all of the pumps and mixer engines have been converted to LE's 8800. Lakeland Aviation expected the Wisconsin engine life to reach over two years with LE's 8800, and are very pleased to be getting 4 to 5 years now. These engines cost \$4,500 to replace! **The Tecumseh pumps are now lasting over 4 years!**

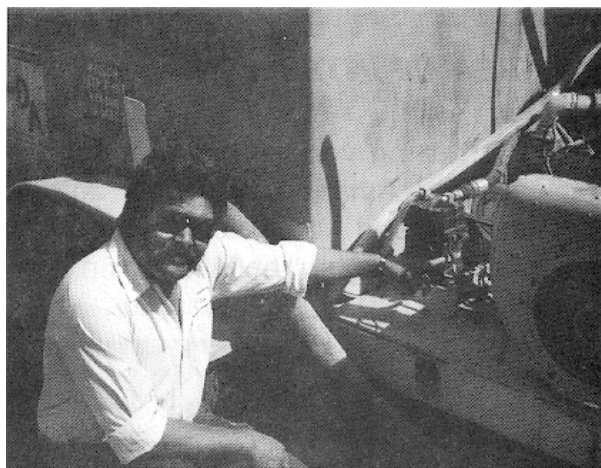


Lakeland Aviation support truck and pumping/mixing rig.



Mark Nickel

We wish to thank all of the Lakeland Aviation personnel, Mike Hernandez; Grounds Equipment Maintenance Supervisor; Maintenance Mechanic, Ernest "Cobra" Aguilar; and LE Lubrication Consultant Mark Nickel for the information provided to prepare this report.



Maintenance Mechanic Cobra Aguilar and the Tecumseh pump and Wisconsin engine.