

CONTINENTAL AEROSPACE TECHNOLOGIES™
SERVICE INFORMATION LETTER

CATEGORY 5
SIL19-04

Contains Useful Information Pertaining To Your Aircraft Engine

SUBJECT: Oil Brand Selection

PURPOSE: To recommend maintaining a consistent ashless-dispersant oil brand (qualified under MHS-24) for engine service, after break-in, until overhaul.

COMPLIANCE: During engine oil changing and servicing, after the engine break-in period, until overhaul.

MODELS

AFFECTED: All Continental Aerospace Technologies aviation gasoline (AvGas) engines

I. GENERAL INFORMATION

Continental Aerospace Technologies™ (Continental®) would like to remind our customers and maintenance partners the ashless-dispersant oil specification for Continental aircraft piston engines is MHS-24. The latest version of publication M-0, Standard Practice Maintenance Manual, Chapter 3, lists qualified oil suppliers and brands which meet the requirements of MHS-24.

A number of lubricant manufacturers produce multiple oil products which comply with specification MHS-24; each containing proprietary formulations for straight weight and multi-viscosity oil grades. The operator will choose the appropriate oil to service their engine based on Instructions for Continued Airworthiness (ICAs), operating environment, viscosity, brand, and personal preference.

Field reports from fleet operators indicate **switching brands** during the first oil change cycle changed the oil color to black and increased oil deposits. Switching oil brands before engine overhaul may result in higher wear rates for lifters and cylinder components, even under normal operating conditions.

II. SCOPE

Be aware of the potential impact of changing oil brands. Switching oil brands during oil changes and servicing, at any time before engine overhaul, can result in:

1. Oil color changing to black
2. Higher internal engine deposits
3. Accelerated engine wear
4. Increased maintenance events
5. Increased warranty claims
6. A potential reduction in engine service life

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III. RECOMMENDATIONS

CAUTION: It is extremely important that our customers use the appropriate oil grade applicable to their specific engine or product line and maintain a consistent oil brand to sustain standard engine operations until after overhaul.

DO NOT use any oil unless specified on the engine TCDS. Reference Original Equipment Manufacturer (OEM) ICAs for operating, installation, and maintenance instructions applicable to Continental engine parts manufactured under Federal Aviation Administration (FAA) Parts Manufacturer Approvals (PMA).

1. Continental identifies “qualified” SAE J1899 ashless-dispersant engine oil brands and suppliers in MHS-24 and M-0, Standard Practice Maintenance Manual, Chapter 3. Continental does not endorse any lubricant manufacturer.
2. Our analysis indicates consistent servicing with one brand of oil will result in fewer maintenance events and more consistent oil analysis results.
3. Once a particular oil brand is established for oil servicing, continue using the same oil brand throughout the service life of the engine. As such, do not change from an established “oil type” (mineral oil, semi-synthetic oil), even within the selected brand, before engine overhaul.

IV. CUSTOMER SUPPORT

Consult your specific manufacturer’s web site or contact your nearest distributor or service representative for all current released publications supporting engine maintenance, overhaul, operation, performance, service, and technical updates.

Reference the applicable Service Documentation for Continental engines and products:

- <http://www.continental.aero/> (under the web-page tab, labeled “SUPPORT”)