



Piper Aircraft, Inc.  
2926 Piper Drive  
Vero Beach, Florida, U.S.A. 32960

# SERVICE LETTER

NO. 1165

Date: October 18, 2012

(M)(S)

## MAINTENANCE ALERT

**SUBJECT:**

**HYDRAULIC PUMP IDENTIFICATION AND  
SERVICING REQUIREMENTS**

**MODELS AFFECTED:**

PA-28R Series  
PA-32R Series  
PA-34 Series  
PA-44 Series

**SERIAL NUMBERS AFFECTED:**

All  
All  
All  
All

**COMPLIANCE TIME:**

Whenever a hydraulic pump is serviced or replaced.

**APPROVAL:**

The technical content of this Service Document has been shown to comply with the applicable Federal Aviation Regulations and is FAA approved.

**PURPOSE:**

Some operators may have installed hydraulic pumps that do not conform to Piper Type Design (i.e., unapproved parts). This Service Letter clarifies existing Piper policy and maintenance manual procedures, as applicable to the servicing and replacement of hydraulic pumps used on the affected airplane models.

ATA: 2910

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**INSTRUCTIONS:****Identification**

The affected airplanes were delivered from the factory with one of two types of hydraulic pumps:

- Airplanes manufactured prior to the late 1980's were delivered with Prestolite hydraulic pumps.
- Airplanes manufactured in the late 1980's and later were delivered with Oildyne hydraulic pumps.

The operating characteristics, service requirements and troubleshooting procedures differ between the Prestolite and Oildyne hydraulic pumps, which is why the applicable maintenance manuals refer to each type separately, with labels such as "Prestolite", "HYC5005" or "Oildyne". These terms refer to markings that are readily visible on the hydraulic pump, and are shown in the maintenance manual for the sole purpose of assisting the mechanic in identifying the type of hydraulic pump that is installed.

The labels "Prestolite", "HYC5005" and "Oildyne" are **not** Piper part numbers. The presence of these labels on any hydraulic pump does not, by itself, constitute authorization by Piper to install the hydraulic pump on any Piper product, nor does the presence of these labels constitute interchangeability with genuine Piper part numbered hydraulic pumps. The appropriate source for identifying the correct part number of a component used on the affected airplanes is the applicable Piper parts catalog.

**Servicing**

**WARNING: USE ONLY GENUINE PIPER AIRCRAFT PARTS OR PIPER AIRCRAFT APPROVED PARTS OBTAINED FROM PIPER APPROVED SOURCES, IN CONNECTION WITH THE MAINTENANCE AND REPAIR OF PIPER AIRPLANES.**

Repairs to Prestolite hydraulic pumps are limited to replacement of O-rings and brushes only, subject to availability of parts. When these parts are no longer available from Piper or Piper-approved parts sources, replacement of these pumps is mandatory.

No field repair of Oildyne hydraulic pumps is authorized. Any faulty Oildyne hydraulic pump must be replaced or returned to Piper for repair.

Airplanes that were delivered from the factory with a Prestolite hydraulic pump can be converted to use an Oildyne hydraulic pump. Refer to the appropriate Piper parts catalog for further information.

**MATERIAL REQUIRED:** N/A

**AVAILABILITY OF PARTS:** N/A

**EFFECTIVITY DATE:** This Service Letter is effective upon receipt.

**NOTE:** Please notify the factory of any address/ownership corrections. Changes should include airplane model, serial number, current owner's name and address.

Corrections and/or changes should be directed to:

PIPER AIRCRAFT, INC.  
Attn: Customer Service  
2926 Piper Drive  
Vero Beach, FL 32960