

PIPER TWIN COMANCHE SERVICE MANUAL

TYPE OF LUBRICANTS		
IDENTIFICATION LETTER	SPECIFICATION	LUBRICANT
A	MIL-L-7870	LUBRICATING OIL, GENERAL PURPOSE, LOW TEMPERATURE
B	MIL-L-6082	LUBRICATING OIL, AIRCRAFT RECIPROCATING ENGINE (PISTON) -- SEE TABLE II-IV FOR SPECIFICATIONS.
	MIL-L-22851	SEE PARAGRAPH 2-76 FOR RECOMMENDED USE OF ASHLESS DISPERSANT (DETERGENT) OILS.
C	MIL-H-5606	HYDRAULIC FLUID, PETROLEUM BASE
D	MIL-G-23827	GREASE, AIRCRAFT AND INSTRUMENT, GEAR AND ACTUATOR SCREW
E	MIL-C-3545	GREASE, AIRCRAFT, HIGH TEMPERATURE
F	-----	ALL PURPOSE SLIP SPRAY DUPONT NO. 6611

SPECIAL INSTRUCTIONS

1. AIR FILTER TO CLEAN FILTER, TAP GENTLY TO REMOVE DIRT PARTICLES. DO NOT BLOW OUT WITH COMPRESSED AIR OR USE SOLVENT. REPLACE FILTER IF PUNCTURED OR DAMAGED.
 TURBOCHARGED ENGINES - CLEAN FILTER IN SOLVENT AND ALLOW TO DRY. DIP IN SAE 10 OIL AND ALLOW TO DRAIN FOUR HOURS.
2. BEARINGS AND BUSHINGS - CLEAN EXTERIOR WITH A DRY TYPE SOLVENT BEFORE RELUBRICATING.
3. LANDING GEAR AND FLAP TRANSMISSIONS AND SCREWS. IDENTIFY TYPE OF TRANSMISSION INSTALLED. DUKES HAS LABEL ON TRANSMISSION HOUSING. DURA HAS PART NO. 1010250 STAMPED ON TRANSMISSION HOUSING. DISASSEMBLE AND CLEAN WITH A QUICK DRYING TYPE SOLVENT. WHEN REASSEMBLING TRANSMISSIONS, FILL DUKES TRANSMISSION WITH DUKES NO. 4 LUBRICANT OR DURA TRANSMISSION WITH MIL-G-7118 OR MIL-G-22827 GREASE. NO SUBSTITUTION IS ALLOWED IN EITHER TRANSMISSION. APPLY A THIN COAT OF MIL-G-7118 OR MIL-G-23827 GREASE ON ACTUATOR SCREWS. SEE NOTE 4.
4. OLEO STRUTS AND BRAKE RESERVOIR - FILL PER INSTRUCTIONS ON UNIT OR CONTAINER, OR REFER TO SERVICE MANUAL, SECTION 11.
5. PROPELLER - REMOVE ONE OF THE TWO GREASE FITTINGS FOR EACH BLADE. APPLY GREASE THROUGH FITTING UNTIL FRESH GREASE APPEARS AT HOLE OF REMOVED FITTING.
6. LUBRICATION POINTS - WIPE ALL LUBRICATION POINTS CLEAN OF OLD GREASE, OIL, DIRT, ETC— BEFORE RELUBRICATING.
7. LUBRICATING OIL - SEE PARAGRAPH 2-76, FOR RECOMMENDATIONS FOR OIL CHANGE INTERVALS.
8. LUBRICATE FLAP TRACK WITH DUPOINT'S ALL PURPOSE SLIP SPRAY NO. 6611. FLAPS REQUIRE CLEANING AND LUBRICATION AFTER EXPOSURE TO AN ABNORMAL QUANTITY OF WATER. FLAPS WITH NYLON ROLLERS WILL NOT REQUIRE LUBRICATION ON EITHER FLAP TRACKS OR ROLLERS.
9. OVERHEAD TRIM PULLEYS - LUBRICATION MAY BE EXTENDED TO 250 HOURS WHEN DUSTY CONDITIONS ARE AT A MINIMUM.

Figure 2-20. Lubrication Chart (cont)