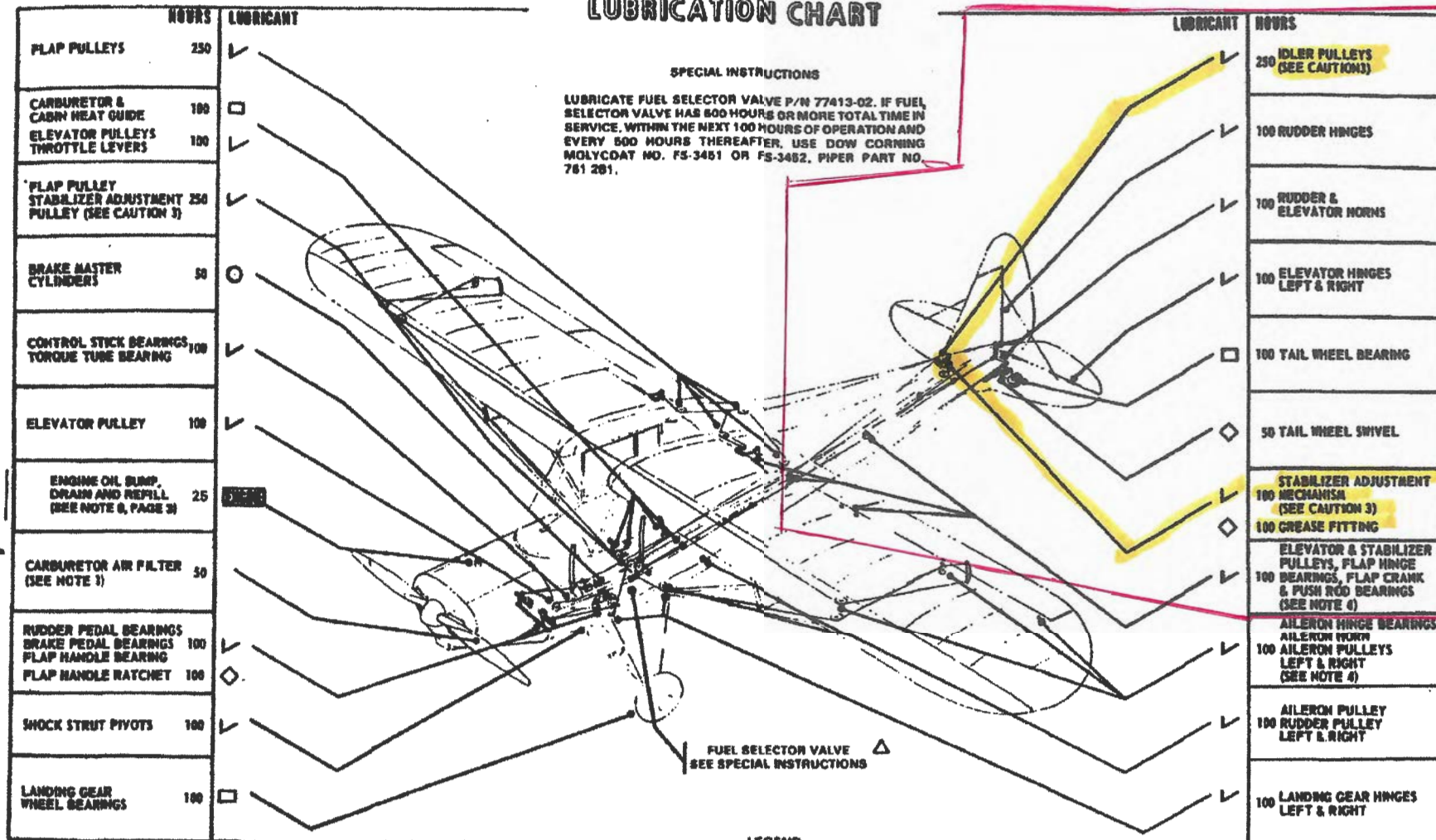


LUBRICATION CHART



SPECIAL INSTRUCTIONS

LUBRICATE FUEL SELECTOR VALVE P/N 77413-02. IF FUEL SELECTOR VALVE HAS 500 HOURS OR MORE TOTAL TIME IN SERVICE, WITHIN THE NEXT 100 HOURS OF OPERATION AND EVERY 500 HOURS THEREAFTER, USE DOW CORNING MOLYCOAT NO. FS-3451 OR FS-3452, PIPER PART NO. 761 281.

FUEL SELECTOR VALVE
SEE SPECIAL INSTRUCTIONS

NOTES

- CARBURETOR AIR FILTER - CLEAN PER MANUFACTURER'S INSTRUCTIONS ON FILTER BOX OR INSTRUCTIONS IN OWNER'S HANDBOOK. (UNDER ABNORMAL CONDITIONS, FILTER REQUIRES CLEANING MORE FREQUENTLY. REPLACE AS REQUIRED.)
- LUBRICATION POINTS - WIPE ALL LUBRICATION POINTS CLEAN OF OLD GREASE, OIL, DIRT, ETC. BEFORE RELUBRICATING.
- WHEEL BEARING REQUIRES CLEANING AND REPACKING AFTER EXPOSURE TO AN ABNORMAL QUANTITY OF WATER.
- AILERON AND FLAP HINGES - HINGE BLOCKS WITH LUBRICATION HOLES IN THEIR UNDERSIDE MAY BE PRESSURE LUBRICATED WITH GREASE NL-G-23827.

LEGEND

NL-G-23827 GREASE, AIRCRAFT AND INSTRUMENT,
 GEAR AND ACTUATOR SCREW
 NL-L-7870 OIL - GENERAL PURPOSE LOW
 TEMP. LUBRICATION
 NL-L-3545 GREASE - LUBRICATION HIGH
 TEMPERATURE
 NL-H-5505 HYDRAULIC FLUID (RED)
 FS-3452 MOLYCOAT

SAE 90 ABOVE 60°F AIR TEMP.
 SAE 40 BETWEEN 30°F AND 90°F AIR TEMP.
 SAE 30 BETWEEN 0°F AND 70°F AIR TEMP.
 SAE 20 BELOW 10°F AIR TEMP.

LYCOMING O-290-D2 &
O-320 ENG.

SAE 20 BELOW 32°F AIR TEMP.
 SAE 40 ABOVE 32°F AIR TEMP.

CONTINENTAL C90 ENGINE

SEE LYCOMING SERVICE INSTRUCTIONS NO. 1014
FOR USE OF DETERGENT OIL.

CAUTIONS

- DO NOT USE A HYDRAULIC FLUID WITH A CASTER OIL OR ESTER BASE.
- DO NOT APPLY LUBRICANT TO RUBBER PARTS.
- TRIM CABLES - UNDER NO CIRCUMSTANCES SHOULD THE TRIM CABLES FROM THE COCKPIT TO THE REAR OF THE FUSELAGE BE LUBRICATED. (TO PREVENT SLIPPAGE)
- CONTROL CABLES - WIPE CLEAN AT REGULAR INTERVALS BUT DO NOT LUBRICATE. UNDER SALT WATER CONDITIONS OCCASIONAL LUBRICATION WITH NL-L-7870 IS RECOMMENDED.