

If a machine runs with contaminated hydraulic oil the life of the hydraulic pumps or related hydraulic components will be shortened. Replace fluids at 1000 pump hours or by indication of sampling.

### Hydraulic Tank Capacities:

MODEL	HYDRAULIC TANK CAPACITY
JXZ28-4, LINE PUMP	300L (80 gal)
JXZZ32-5 - JXR38-4	460L (120 gal)
JXZZ38-5, JXR40-4, JXR41-4, JXRZ43-5	405 - 440L (106 - 116 gal)
JXR42-4, JXR43-4	470L (124 gal)
JXRZ50	570L (150 gal)
JXRZ47, JJRZ50, 55, 57	630 - 670L (166 - 176 gal)
JJRZ63	790L (209 gal)

### Consider the outside working temperature when choosing oil viscosity

- below -10°C (14°F) use 22 weight
- between -10°C and 10°C (14-50°F) use 32 weight
- from 10-30°C (50-86°F) use 46 weight
- from 30-50°C (86-122°F) use 68 weight

Synthetics and aviation fluids may be substituted for broader temperature range coverage, but no one fluid will cover all requirements!

Drain off the water on the bottom of hydraulic tanks every month, depending on the size of the pump. There are single tanks with one drain and dual tanks with two drains. (Do this step before sampling).

When changing hydraulic oil, be certain to clean the magnets inside the reservoir(s).

## FILTER CHANGING INTERVAL AND PROCEDURE:

**Note:** Before performing any filter changes, be sure to drain the air pressure off of the hydraulic system.

### Main Return Filter:

MS29303 25, 28m; JMP90

RB31103 32m up to 63m; JMS12

Proper filter change interval: 500 pump hours or once a year, whichever comes first.

(How to change area: see figure 1)

Return filter is in the rear-most reservoir and accessible by removal of the housing lid.

**Note for pumps:** 38R, 37Z, 37R, 33R, 33Z Return filter is located under the upper aluminum deck, under the access cover.

FIGURE 1

