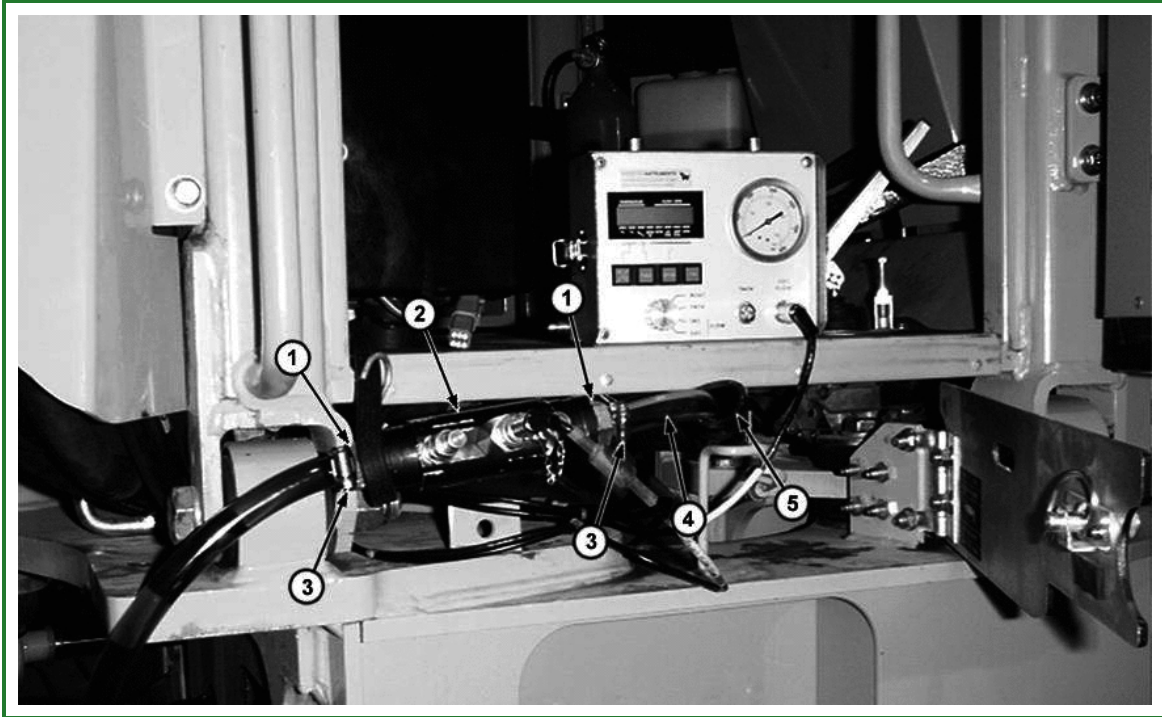


5.


TX1020608A-UN: Flowmeter Winch Leakage Test Components
LEGEND:

- 1 - Adapter Fitting (2 used)
- 2 - JT07156 Flowmeter
- 3 - Hose Clamp (3 used)
- 4 - Plastic Hose
- 5 - Transmission Fill Tube

Connect clear plastic hose (8) to JT07156 Flowmeter (2) using barbed fitting and hose clamp (3). Install a second length of clear plastic hose (4), approximately 30 cm (12 in.) long, on the other side of the flowmeter using another barbed fitting and hose clamp (3).

6. Insert end of hose (4) into transmission fill tube (5).

7.

⚠ CAUTION:

Winch drum will rotate during POWER IN position test.

NOTE:

Leakage rate for BRAKE ON function may be too small to measure with flowmeter. It may be necessary to measure leakage for BRAKE ON function by placing hose (4) into a container and using a stopwatch to determine leakage.

Run test at specification.

Item	Measurement	Specification
Hydraulic Oil	Temperature	43—55°C 110—130°F
Engine	Speed	2000 rpm

8.

NOTE:

Allow some time for the flow of oil to stabilize from drain line before measuring leakage.

Measure and record winch leakage.

Item	Measurement	Specification
FREE SPOOL (without warmup circuit)	Leakage (maximum)	11.4 L/min 3.0 gpm
BRAKE OFF	Leakage (maximum)	6.75 L/min 1.8 gpm
BRAKE ON	Leakage (maximum)	2.25 L/min 0.6 gpm
POWER IN	Leakage (maximum)	14.7 L/min 3.9 gpm

9. Remove test equipment.
10. Check transmission oil level. [See Check Transmission Oil Level](#) . (Operators Manual.)

Go to [Section_9030:Group_25](#)

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