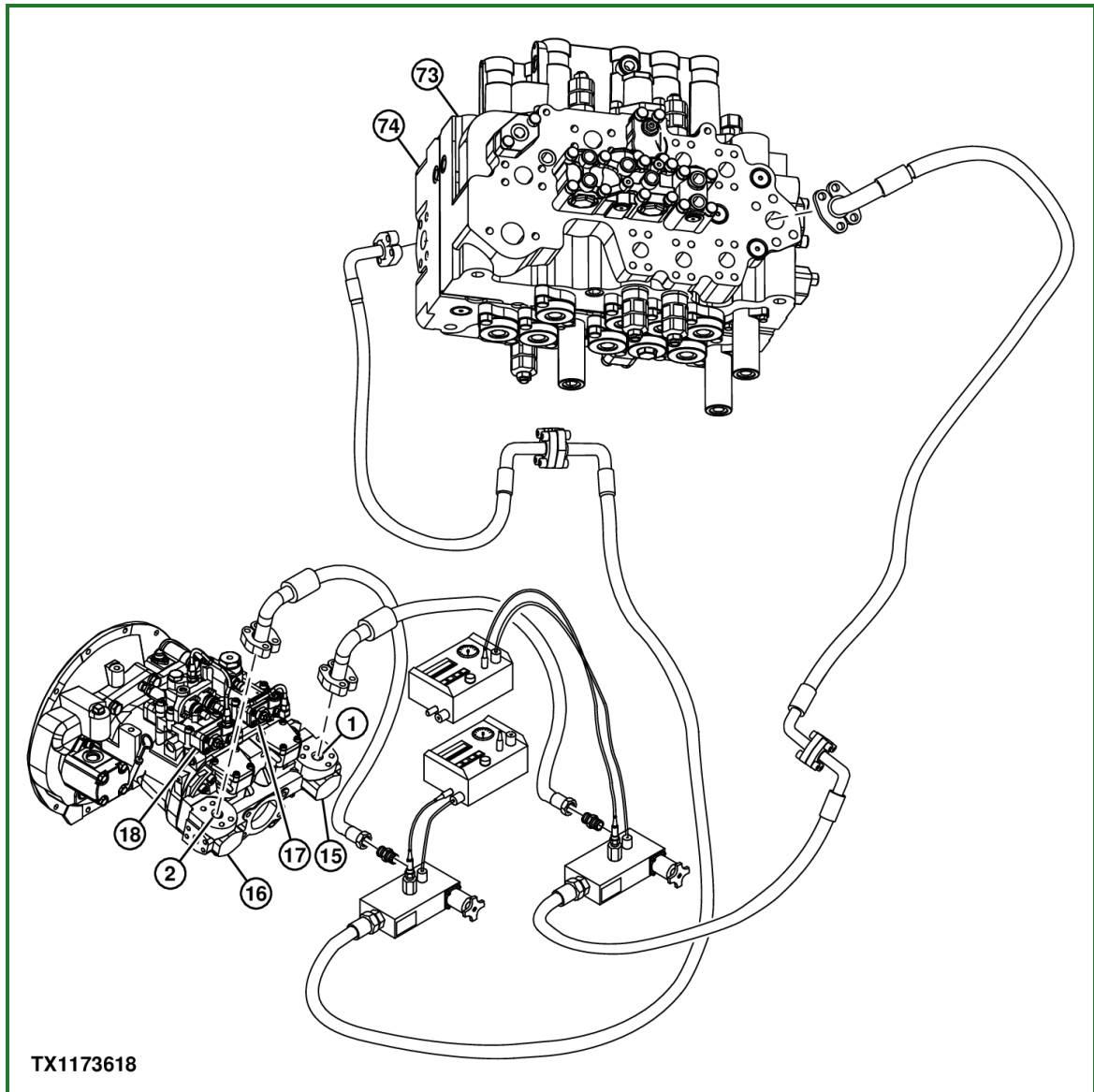


1.



TX1173618-UN: Pump Flow Test

LEGEND:

- 1 - Pump 1 Delivery Port
- 2 - Pump 2 Delivery Port
- 15 - Pump 1 (4-spool)
- 16 - Pump 2 (5-spool)
- 17 - Pump 1 Regulator
- 18 - Pump 2 Regulator
- 73 - Right Control Valve (4-spool)
- 74 - Left Control Valve (5-spool)

Release hydraulic oil tank pressure. [See Hydraulic Oil Tank Pressure Release Procedure](#) . (Group 9025-25.)

2. Connect vacuum pump to hydraulic oil tank to minimize oil loss. [See Apply Vacuum to Hydraulic Oil Tank](#) . (Group 3360.)
3. Disconnect pump-to-control valve line from pump 1 delivery port (1) and/or pump 2 delivery port (2).
4. Connect the flowmeter. If available, connect flowmeters to both pumps as shown.
5. Connect one of the following test equipment to monitor pump 1 and 2 delivery pressure, hydraulic oil temperature, and actual engine speed.

- Monitor application. For instruction to activate the service menu on monitor in cab, see [Service Menu](#) . (Group 9015-16.)

Select the following items from monitoring list:

- Pump 1 Delivery Pressure
- Pump 2 Delivery Pressure
- Hydraulic Oil Temperature
- Actual Engine Speed
- Service ADVISOR™ application. For instruction, see [Service ADVISOR™ Connection Procedure](#) . (Group 9015-20.)

Select the following items from the menu:

- Pump 1 Delivery Pressure
- Pump 2 Delivery Pressure
- Hydraulic Oil Temperature
- Actual Engine Speed
- MPDr application. For instruction, see [MPDr Application](#) . (Group 9015-20.)

Select the following items from the monitor display:

- Pump 1 Delivery Pressure
- Pump 2 Delivery Pressure
- Hydraulic Oil Temperature
- Actual Engine Speed

6. Disconnect vacuum pump.
7. Verify flowmeter loading valve is open.
8. Warm the hydraulic oil to specification.

Item	Measurement	Specification
Hydraulic Oil Temperature		45—55°C 110—130°F

9. Run machine at specification.

Item	Measurement	Specification
Engine	Speed	Fast Idle
Work Mode Switch	Position	Bucket Mode
Power Mode Button	Position	PWR (power) Mode
Auto-Idle Switch	Position	OFF

10. Verify main relief valve setting is to specification. For specification, see [Main Relief and Power Dig Valve Test and Adjustment](#) . (Group 9025-25.)

11.

CAUTION:

Avoid possible serious injury from machine movement. Clear the area of all bystanders before performing this procedure.