

Hydraulic Fan Pump Flow Test

-: Specifications

SPECIFICATIONS	
Hydraulic Oil Temperature	55—65°C 131—149°F
Fan Speed	100% on Primary Display Unit (PDU)
Engine Speed	1200 rpm
Auto-Idle Switch Position	OFF
Hydraulic Fan Pump Flow Rate (minimum)	51 L/min 13.5 gal/min

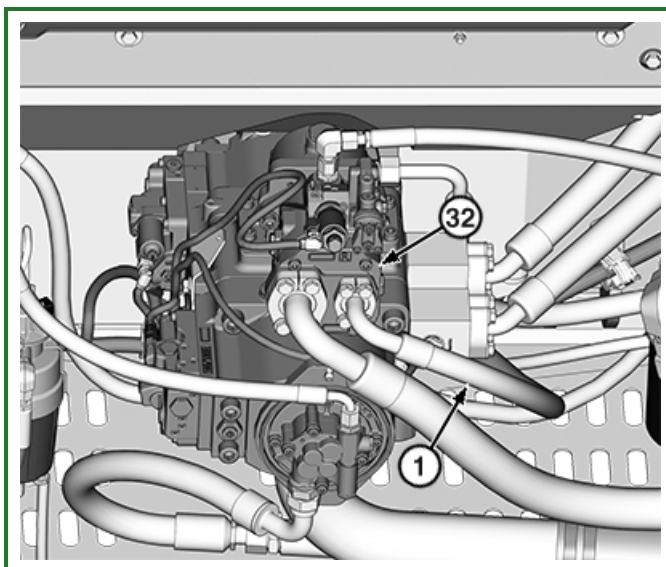
-: Service Equipment and Tools

JT07148 Digital Hydraulic Flowmeter Tester
Adapter (2 used)
Test Hose

The purpose of this test is to determine hydraulic fan pump flow. Flow not within specification can indicate excessive wear of internal components.

1. Park and prepare machine for service. [See Park and Prepare for Service Safely](#) . (Group 9000-01.)
2. Release hydraulic oil tank pressure. [See Hydraulic Oil Tank Pressure Release Procedure](#) . (Group 9025-25.)

3.



XJ1293322A-UN: Hydraulic Fan Pump Hose

LEGEND:

- 1 - Hydraulic Fan Pump Outlet Hose
- 32 - Hydraulic Fan Pump

Disconnect hydraulic fan pump outlet hose (1) from hydraulic fan pump (32).

4. Connect hydraulic fan pump outlet hose to JT07148 Digital Hydraulic Flowmeter Tester outlet port using appropriate adapter.
5. Connect test hose to hydraulic fan pump outlet port and JT07148 Digital Hydraulic Flowmeter Tester inlet port using appropriate adapter.

6. IMPORTANT:

Prevent possible machine damage due to overloading hydraulic fan pump. Ensure that flowmeter loading valve is fully open prior to starting machine.

Open flowmeter loading valve to fully open position.

7. Warm hydraulic oil to specification. [See Hydraulic Oil Warm-Up Procedure](#) . (Group 9025-25.)

Item	Measurement	Specification
Hydraulic Oil	Temperature	55—65°C 131—149°F

8. Set fan speed to specification. [See Menu—Machine Fan—Commanded Fan Speed](#) . (Group 9015-16.)

Item	Measurement	Specification
Fan	Speed	100% on Primary Display Unit (PDU)

9. Run machine at specification.

Item	Measurement	Specification
Engine	Speed	1200 rpm
Auto-Idle Switch	Position	OFF

10. Record fan oil flow reading and compare to specification.

Item	Measurement	Specification
Hydraulic Fan Pump	Flow Rate (minimum)	51 L/min 13.5 gal/min

11. If hydraulic fan pump flow rate is not to specification:

1. Calibrate hydraulic fan pump. [See Menu—Calibrations](#) . (Group 9015-16.)
2. Run fan pump control test and adjustment, if required replace hydraulic fan pump. [See Fan Pump Remove and Install](#). (Group 3360.)

Go to [Section_9025:Group_25](#)

GS11409,00003E2-19-20200316