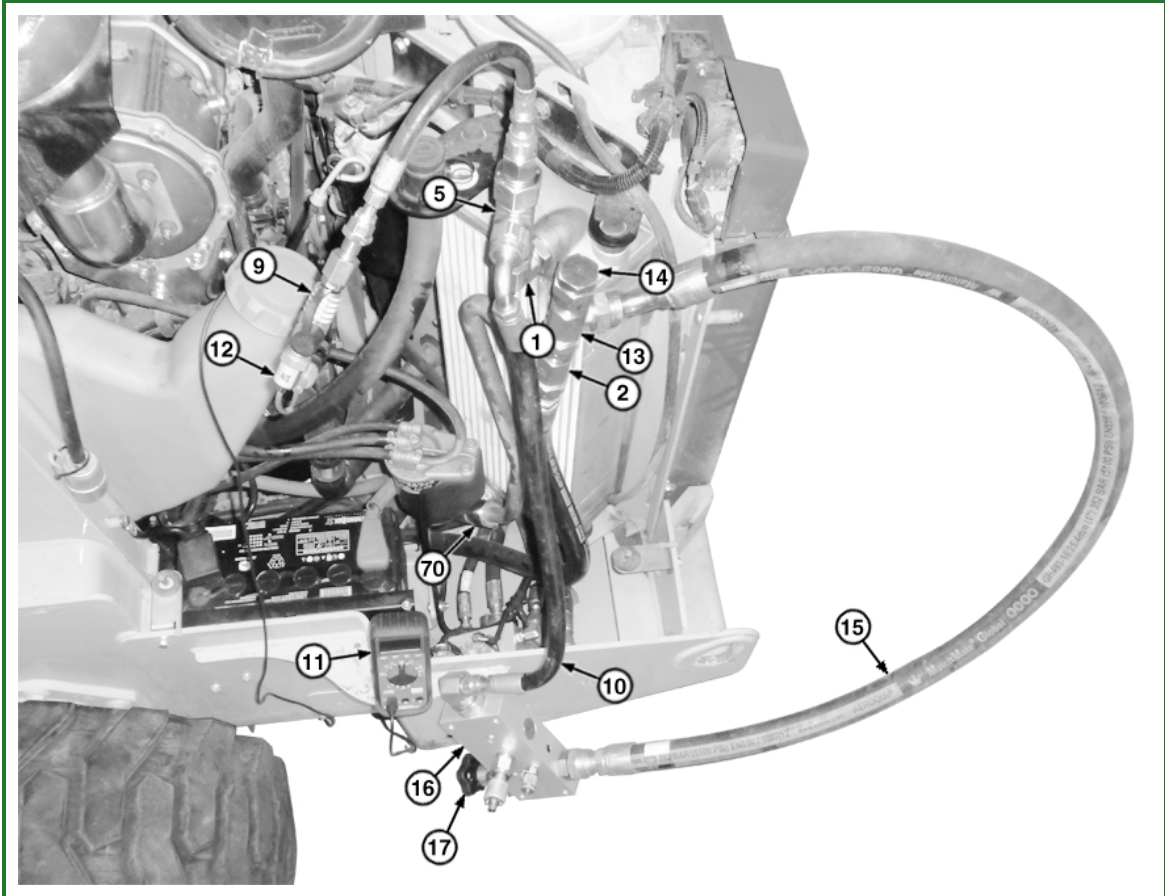


8.



TX1138474A-UN: Hydraulic Oil Cooler Bypass Test (326E shown)

LEGEND:

- 1 - 90° Fitting
- 2 - Bypass Tee Fitting
- 5 - Tee Fitting (-16 M ORFS x -16 M ORFS x -16 F ORFS)
- 9 - Quick Coupler (-6 ORFS)
- 10 - Test Hose (to flowmeter)
- 11 - JT02156A Digital Pressure/Temperature Analyzer
- 12 - JT02161 Transducer 3400 kPa (34 bar) (500 psi)
- 13 - Tee Fitting (-16 M ORFS x -16 M ORFS x -16 F ORFS)
- 14 - Plug (-16 ORFS)
- 15 - Return Test Hose
- 16 - Digital Hydraulic Flowmeter Manifold
- 17 - Loading Valve
- 70 - Hydraulic Oil Cooler Bypass Valve

Install tee fitting (5) to the hydraulic oil cooler outlet.

9. Install proper adapters to install quick coupler (9) to tee fitting.
10. Install test hose (to flowmeter) (10) to tee fitting (5).
11. Install JT02156A Digital Pressure/Temperature Analyzer (11) and JT02161 Transducer 3400 kPa (34 bar) (500 psi) (12) or a pressure gauge to quick coupler. [See JT02156A Digital Pressure and Temperature Analyzer Kit Installation](#) . (Group 9025-25.)
12. Install tee fitting (13) to bypass tee fitting.
13. Install plug (14) into tee fitting.

14. Install return test hose (15) to tee fitting (13).
15. Install test hose (to flowmeter) and return test hose to digital hydraulic flowmeter manifold (16).
16. Open loading valve (17) to full open position.
17. Start engine and warm hydraulic oil to specification.

Item	Measurement	Specification
Hydraulic Oil	Temperature	43°C 110°F

18. Set engine speed to specification.

Item	Measurement	Specification
Engine	Speed	Slow Idle

19. IMPORTANT:

Avoid damage to hydraulic oil cooler. Test pressure should not exceed 1240 kPa (12.4 bar) (180 psi). Damage to hydraulic oil cooler may result.

NOTE:

When pressure reading drops sharply and levels off at a steady pressure, hydraulic oil cooler bypass valve has opened.

Slowly turn loading valve (clockwise) until bypass valve opens, not exceeding 1240 kPa (12.4 bar) (180 psi). Record bypass pressure.

20. Compare bypass pressure result to specification.

Item	Measurement	Specification
Hydraulic Oil Cooler Bypass	Pressure	970—1240 kPa 9.7 —12.4 bar 140—180 psi

21. If pressure is not at specification, replace hydraulic oil cooler bypass valve.
22. Remove test equipment.
23. Connect 90° fitting to bypass tee fitting.
24. Install engine side panels. [See Engine Side Panels—Remove and Install](#) . (Operator's Manual.)
25. Release boom lock and lower boom. [See Boom Lock](#) . (Operator's Manual.)

Go to [Section_9025:Group_25](#)

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