

Item	Measurement	Specification
Hydraulic Oil	Temperature	60—70°C 140—160°F

9. Operate engine at specification.

Item	Measurement	Specification
Engine Speed		Slow Idle

10.

**NOTE:**

*Pin disconnect pressure reducing valve setting is higher than load sense pressure. When test is performed, it is important to have system pressure higher than load sense pressure. Activate bucket function to increase system pressure.*

Activate bucket rollback function over relief.

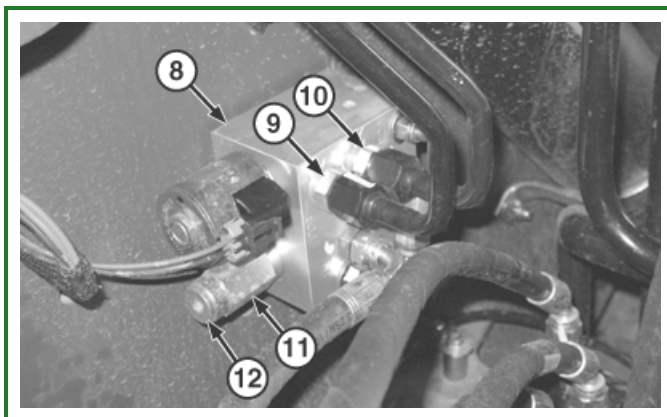
11. Push pin disconnect valve switch on sealed switch module (SSM) to operate pin disconnect valve. Record pin disconnect pressure. Compare pressure reading to specification.

Item	Measurement	Specification
Pin Disconnect Pressure		6000—6400 kPa 60—64 bar 875—925 psi

12.

**NOTE:**

*The pin disconnect pressure reducing valve has a hidden adjustment. Make sure that machine is off before removing adjustment cap. Install and tighten adjustment cap before resuming test.*



**TX1167427A-UN: Pin Disconnect Valve**

**LEGEND:**

8 - Pin Disconnect Valve

9 - Work Port PDB

- 10 - Work Port PDA
- 11 - Pin Disconnect Pressure Reducing Valve
- 12 - Pin Disconnect Pressure Reducing Valve External Cap

If pressure is not at specification:

1. Stop engine.
  2. Relieve hydraulic system pressure. [See Hydraulic System Pressure and Accumulators Discharge](#) . (Group 9025-25.)
  3. Turn battery disconnect switch to the OFF position.
  4. Remove pin disconnect pressure reducing valve external cap (12) from pin disconnect pressure reducing valve (11).
  5. Turn adjustment screw in to increase pressure or out to decrease pressure.
  6. Install and securely tighten pin disconnect pressure reducing valve external cap.
  7. Turn battery disconnect switch to the ON position.
  8. Repeat test procedure until pin disconnect pressure is to specification.
13. If pin disconnect pressure cannot be adjusted to specification:
1. Check for diagnostic trouble codes (DTC) in Service ADVISOR™ . [See Reading Diagnostic Trouble Codes with Service ADVISOR™ Diagnostic Application](#) . (Group 9015-20.)
  2. If no DTCs exist, replace pin disconnect pressure reducing valve. [See Pin Disconnect Valve Disassemble and Assemble](#) . (Group 3160.)

14.

 **CAUTION:**

*To avoid injury from escaping fluid under pressure, stop engine and relieve the pressure in the system before disconnecting or connecting hydraulic or other lines. Tighten all connections before applying pressure.*

- Stop engine and relieve hydraulic system pressure. [See Hydraulic System Pressure and Accumulators Discharge](#) . (Group 9025-25.)
15. Enable auto cleaning. [See Display Unit—Main Menu—Exhaust Filter—Auto Cleaning](#) . (Operator's Manual.)
  16. Apply vacuum or drain hydraulic reservoir. [See Vacuum Pump Installation](#) (Group 9025-25) or [see Drain, Flush, and Refill Hydraulic System Oil](#) . (Operator's Manual.)
  17. Remove test equipment.
  18. Remove vacuum or fill hydraulic reservoir. [See Drain, Flush, and Refill Hydraulic System Oil](#) . (Operator's Manual.)
  19. Remove frame articulation lock bar.