

Hydraulic Cylinder Drift Test

-: Specifications

SPECIFICATIONS	
Oil Temperature	60—70°C 140—160°F
Engine Speed	Slow Idle
Hydraulic Cylinder Maximum Drift	0.1 mm/min 0.004 in/min

-: Service Equipment and Tools

SERVICE EQUIPMENT AND TOOLS
Dial Indicator
Stop Watch

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

Item	Measurement	Specification
Oil	Temperature	60—70°C 140—160°F
Engine Speed		Slow Idle

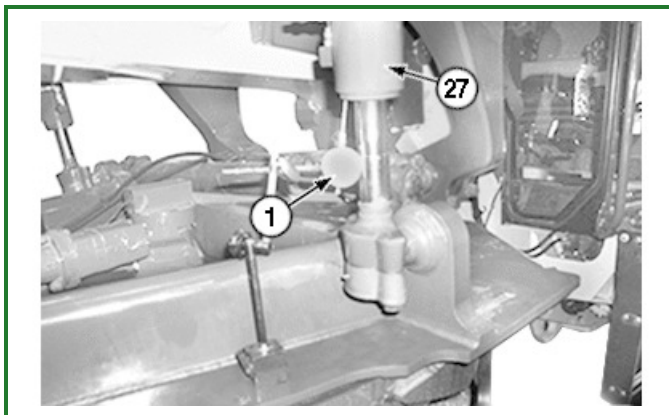
2. To check drift down, raise function off ground.

For circle side shift and blade side shift, move blade to the vertical position.

For blade pitch, extend blade pitch cylinder about 25 mm (1 in.) and raise front of unit off ground.

To check drift up, lower function to raise front of unit off ground.

- 3.



TX1052717A-UN: Hydraulic Cylinder Drift Test (left blade lift cylinder shown)

LEGEND:

1 - Dial Indicator

27 - Left Blade Lift Cylinder

Fasten dial indicator (1) to rod of cylinder to be checked.

- 4. Measure drift.
- 5. Compare cylinder drift to specification.

Item	Measurement	Specification
Hydraulic Cylinder	Maximum Drift	0.1 mm/min 0.004 in/min

- 6. If drift is more than specification, switch check valve from a good circuit and install it in the circuit with leakage. Repeat drift test.
- 7. If drift is in blade pitch or blade side shift circuit, [perform Rotary Manifold Leakage Test](#) . (Group 9025-25.)
- 8. If drift is more than specification with check valve from a good circuit, [perform Hydraulic Cylinder Leakage Test](#) . (Group 9025-25.)

[Go to Section_9025:Group_25](#)

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