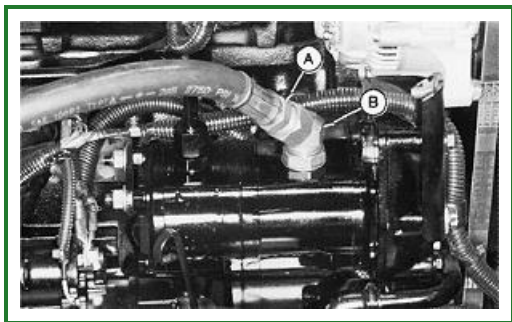


Pump Flow Test-Without SCV



LV150-UN: Hydraulic Pump

LEGEND:

A - JT03336 Adapter

B - JT03468 Adapter

REASON:

To determine if hydraulic pump can provide adequate flow under pressure.

EQUIPMENT:

- JT05469 Flowmeter
- JT03468 Pump Adapter 3/4 F NPT Sw x M27 x 2.0

MORB 45° elbow (B)

- (Flowmeter with 37° flare hose) JT03336 Adapter
3/4 M NPT x 3/4 M 37° flare (A).

- (Flowmeter with 3/4-16 M ORB hose) JT03123
Adapter 3/4 M NPT x 1/2 F NPT and JT03041

1/2 M NPT x 3/4-16 F ORB

CONNECTIONS:

1. Remove pump outlet line.
2. Remove pump outlet fitting and install adapter (B).
3. Connect flowmeter inlet hose adapter (A) to adapter (B).
4. Insert flowmeter return hose into hydraulic oil fill hole.

PROCEDURE:

1. Fully open flowmeter control valve.
2. Start tractor and run at 2000 rpm.
3. Slowly close flowmeter control valve until 10345 kPa (103.5 bar) (1500 psi) shows on gauge.
4. Observe flow, then release pressure.

Item	Measurement	Specification
Tractors:		
Hydraulic Pump	Maximum Flow Rate	42 Lpm (11 gpm)
Hydraulic Pump	Minimum Flow Rate	40.0 Lpm (8.8 gpm)

RESULTS: If flow is less than minimum

- The mesh filter may be restricted.
- The suction line may be restricted.
- The suction line may be leaking air. Tighten clamps on both ends of suction line.
- The pump may be worn or damaged, requiring repair or replacement.

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