

Axial Piston Pump (Load Sense Compensator)

FIG. 3: The hydraulic pump used on the machine is a pressure compensated, pressure flow compensated, variable displacement axial piston type. The pump is located on the right side of the engine as viewed from the flywheel end. The pump (1) is driven directly off of the back of the auxiliary drive on the engine.

The pump supplies oil to the priority valve. Oil from the priority valve performs the following functions:

- Controlled flow to the steering control unit
- Excess flow to the lateral tilt valve and to the main control valve.

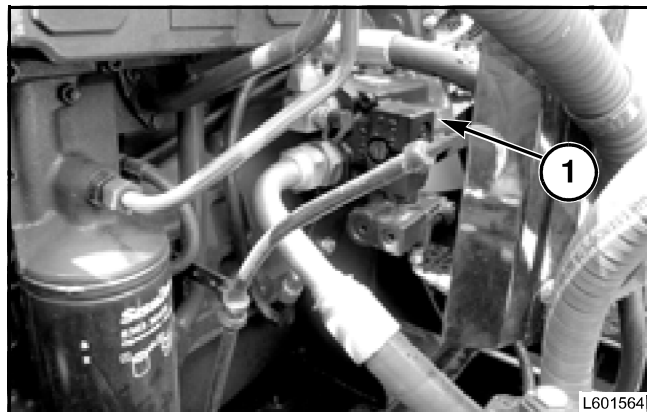


FIG. 3

Hydraulic Operating Pressure	BAR	PSI
Power Steering (Priority Valve)	155	2250
Chaff Spreader	179.3 to 186.2	2600 to 2700
Rotary Screen Motor	179.3 to 186.2	2600 to 2700
Reel Speed Control	179.3 to 186.2	2600 to 2700
Header Lift	179.3 to 186.2	2600 to 2700
Unloader Auger Tube Swing	179.3 to 186.2	2600 to 2700
Lateral Tilt	179.3 to 186.2	2600 to 2700
Feed Reverser	179.3 to 186.2	2600 to 2700
Reel Lift	179.3 to 186.2	2600 to 2700
Reel Fore and Aft	179.3 to 186.2	2600 to 2700
Optional Header Speed (external relief)	34	500
Standby (engine running with no functions in operation)	40.1	583

General Information

Filter Screen

FIG. 4: There is a suction screen (1) for the axial piston pump. The suction screen is located in the bottom of the common hydraulic reservoir.

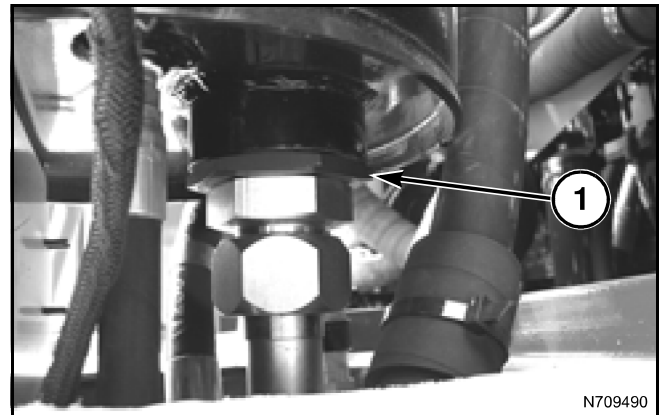


FIG. 4

Oil Filters

FIG. 5: The filter head with filter (1) is located rearward of the engine and toward the right side of the engine platform.

The filters are installed in the suction side of the charge circuit of the propel system and the rotor drive system.

There is no filter bypass provided in the filter head. The filters must be changed at the required service intervals. Failure to properly service the filters will result in reduced propel and rotor drive performance.



FIG. 5