PAVC CASE DRAIN TEST

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TECHNICAL SERVICE BULLETIN ESC04182018

Tools and Materials Required

- SAE wrench set
- 5 Gallon Bucket
- Safety Glasses
- Gloves

Scope

Pump case drain flow monitoring allows evaluation of pump status. As wear degrades a pump's critical tolerances, excess fluid leaks past internal seals and moving parts into the case, robbing the pump of efficiency. When the case drain flow exceeds 5 percent of total pump output, the need for maintenance or complete pump rebuild is required.

Instructions

1. Remove both case drain lines from top of hydraulic tank. In factory configuration, these lines are 1/4" tubing (See figure 1)

2. Place lines in 5 gallon bucket by either holding bucket below both lines or adding extension whips. The oil from the case drain is low pressure bypass oil.

(Figure 1)

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3. Run the hydraulic pumps for (1) minute while collecting oil from both case drain lines.

4. If the quantity of oil exceeds 3 gallons the pumps and becoming weak. At 4 or more gallons the pumps should be rebuilt or replaced.

5. Reconnect case drain lines to the top of tank.