

PARTS & SERVICE NEWS

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SUBJECT: AUTO LUBE PUMP ADJUSTMENT

PURPOSE: To introduce fixed pressure and flow valves that will eliminate incorrect adjustment of auto lube pump.

APPLICATION: Komatsu Electric Drive Dump Trucks:
 730E: 32530-32845, A30079 - A30311;
 830E: 31320-32825, A30544 - A30745;
 930E: 32604-32816, A30019, A30026-A30120;
 930E-2: A30012, A30098, A30100, A30121-A30293, A30295-A30303;
 930E-3: A30294, A30304 - A30328;
All electric drive trucks with rotary auto lube pump.

FAILURE CODE: 8800Z9

DESCRIPTION: Pressure Control Valve (PC1770) and Flow Control Valve (PC1769)

Currently, the auto lube pump has adjustments for both pressure and flow. Some electric drive trucks in the field may have had pumps incorrectly adjusted for pressure and/or flow. Improperly adjusted lube pumps may lead to one of the following:

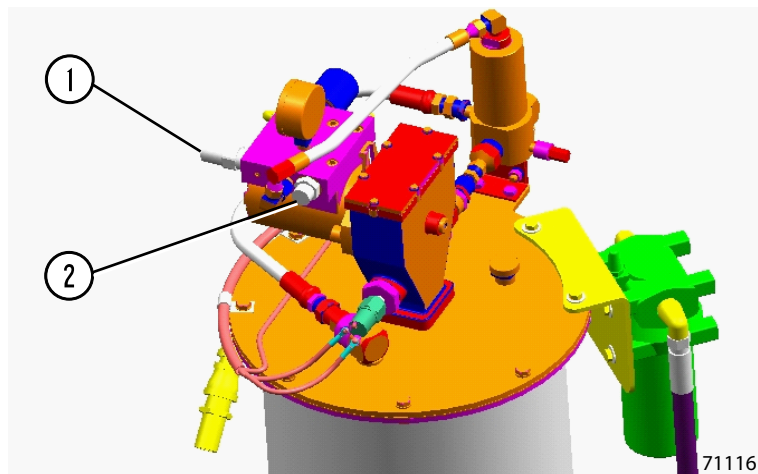
- Over pressurization
- Pump too fast causing warning light problem
- Pump too fast causing accelerated pump wear
- Pump too fast causing cavitation

Komatsu has introduced fixed valve assemblies to eliminate incorrect adjustments of the auto lube pump. A constant pressure and flow may be obtained by installing pressure control valve (PC1770) and flow control valve (PC1769) to the auto lube system. Figure 1 illustrates the location of each fixed valve.

NOTE: The pressure control for pump assemblies (PC0810, PC0821, and PC1149) is set from 350 - 400 PSI and flow control is set at 2 gallons per minute. This means that the pump should take from 16 - 18 seconds to build full pressure.

FIGURE 1. FIXED VALVES

1. Pressure Control Valve (PC1770)
2. Flow Control Valve (PC1769)



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