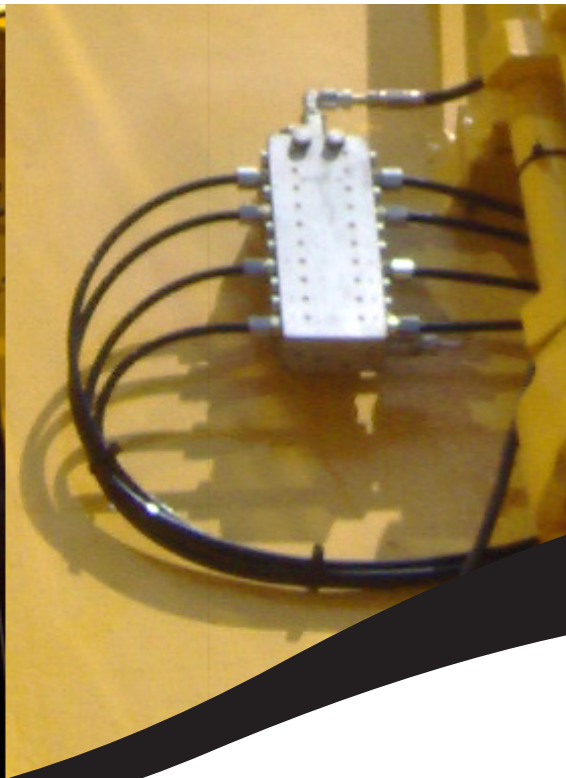


Application Success

Mobile Off-road



BDI Products

- + TTN Progressive Lubricator
- + PVB Divider Valves

Application Overview

Komatsu PC1250 excavator.

Why Automatic Lubrication?

The Komatsu PC1250 excavator came from the factory with no lube system. The end user wanted an automatic system installed before commissioning it. They contacted the local BDI distributor who quoted material and installation.

Advantages

- + The lubrication system greases every point while the excavator is running
- + The automatic lubrication system frees up maintenance personnel to focus on other issues besides greasing the excavator
- + The lubricator operates off the excavator 24 VDC system
- + Local distribution and support
- + BDI provides complete turnkey for end user and will service in the future as required

Please contact factory for additional information on this or any other application.

Products Utilized for Komatsu PC1250 Excavator

TTN Progressive Lubricator

+ **Description:** 24 VDC, 8 liter (16 lb) reservoir, with a low level switch & controller

TTN Progressive Lubricators are electrically driven piston pumps designed for use with series progressive systems. These lubricators can be fitted with up to three independent piston elements providing positive displacement output to series progressive divider valves. TTN Progressive Lubricators are available with an integral programmable controller, low level switch and various reservoir capacities. Operating voltages are either 12 or 24 VDC.



PVB Divider Valves

+ **Description:** 6, 8 and 10 outlet valves were used

PVB Mobile Divider Valves accurately meter and dispense lubricant to as many as 20 outlet lines at operating pressures up to 3600 psi (248 bar). Output volumes are fixed at 0.17cc (0.01 cu. in.) per cycle but can be combined with other outlets by using appropriate fittings for larger outputs. Valves are available with cycle indicator pins to provide visual confirmation of system operation. In addition the cycle pin can be fitted with a switch to provide electrical feedback to a system controller.



Typical System Layout

The TTN Progressive Lubricator has a built in timer and an 8 liter (16 lb) grease reservoir and three PVB Divider Valves. The system also includes an automatic refill system using a 35 lb pneumatic pump and a pressure switch at the TTN Lubricator to avoid overfilling of the bellows. System lubricates 20 lubrication points.

Refer to the following datasheets:

+ *Datasheet #35492:*
TTN Progressive Lubricator

+ *Datasheet #35635:*
PVB Mobile Divider Valve

Background

The excavator will be dedicated to a river bank in New Jersey for use in a dredging and cleanup operation.

Please contact factory for additional information on this or any other application.

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