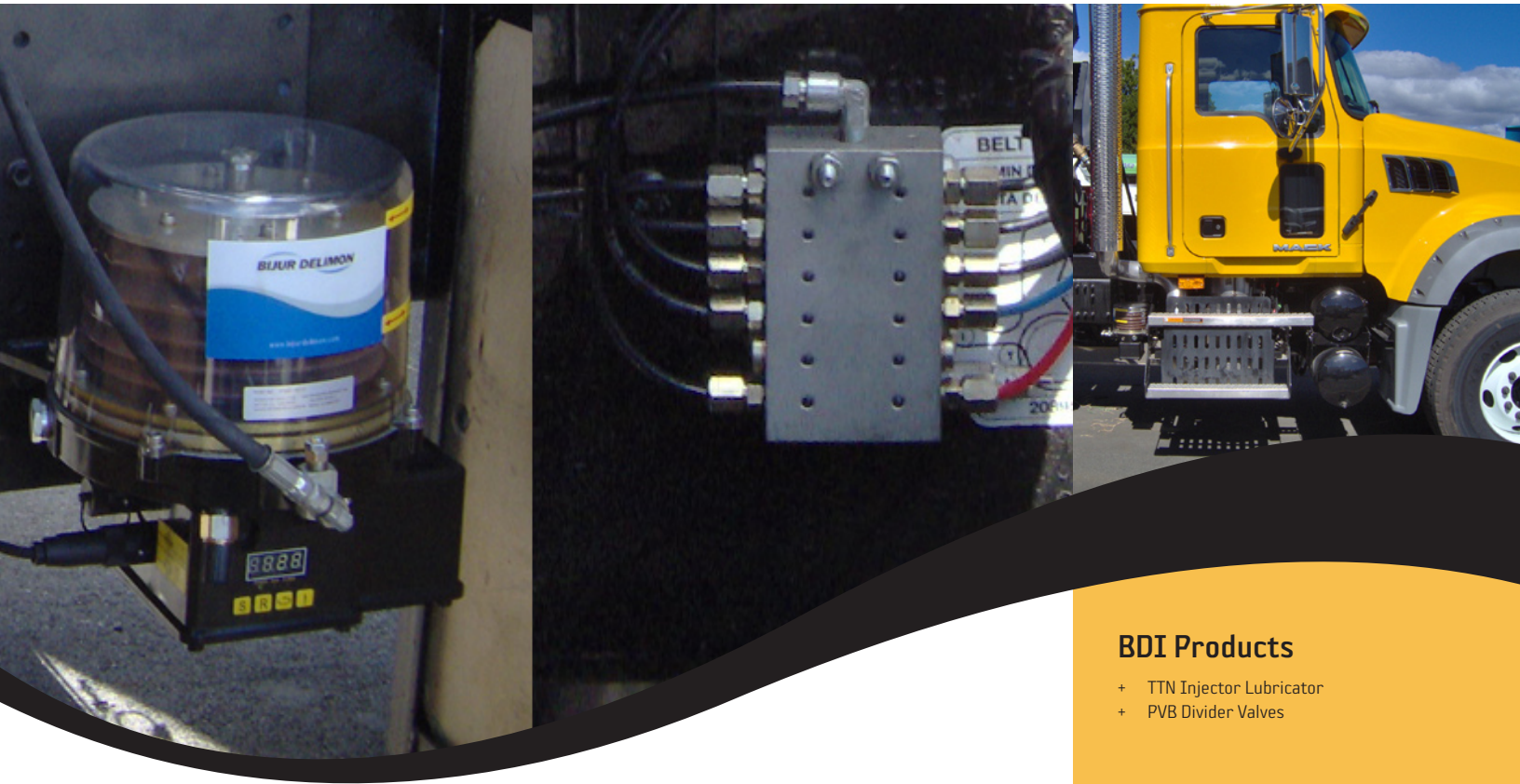


Application Success

Mobile Off-road



Application Overview

Mack utility truck with crane.

Why Automatic Lubrication?

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

BDI Products

- + TTN Injector Lubricator
- + PVB Divider Valves

Advantages

- + The lubrication system greases every point while the truck is running
- + The automatic lubrication system frees up maintenance personnel to focus on other issues besides greasing the excavator
- + The lubricator operates off the trucks 24 VDC system
- + Cost effective system
- + Longer maintenance intervals
- + Lower costs for repair parts
- + Improved operating time
- + Local distribution and support
- + High level of reliability
- + All system components from one source

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

Products Utilized for Mack Utility Truck with Crane

TTN Injector Lubricator

+ **Description:** 24 VDC, 2 liter (4 lb) reservoir, grease, with a low level switch

The TTN Injector Lubricator is capable of pumping up to NLGI grade 2 grease at a pressure of 3600 psi (248 bar). The TTN Injector Lubricator is an automatic, electric lubricator available in either 12 or 24 VDC motor voltages. Inside the reservoir, a spring-loaded bellows forces grease into the pump housing assuring reliable delivery with each lubrication cycle.

PVB Divider Valves

+ **Description:** 6, 8 and 10 outlet valves were used, cycle indicator pins were supplied

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

Two TTN Lubricators with built in timer and PVB Divider Valves. 47 total lubrication points on the crane and chassis.

Background

This truck is fitted with a Fischer Crane and chain saw used for road side tree work. One lubrication system is dedicated to the crane only; the TTN Lubricator is powered from the cranes PTO mounted off of the transmission and is energized when the crane is in use. The other TTN Lubricator is dedicated to the chassis and dump body. Specifications called for Bijur Delimon systems for the chassis and the crane.

Refer to the following datasheets:

+ *Datasheet #35547:*
TTN Injector Lubricator

+ *Datasheet #35635:*
PVB Mobile Divider Valve

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