



CASE STUDY: MUNICIPAL FIRE DEPARTMENT

APPLICATION: FIRE TRUCK

Autogreasers are an important part of keeping fire trucks in optimal condition. Fire trucks work in harsh conditions, often covered in water, and require frequent wash-downs, all of which causes the grease in the bearings to get washed away. They have to be ready to go at a moment's notice and can't be taken out of operation for maintenance. This particular fire department wanted an Autogreaser installed on a new, single axle Fire Truck.

THE FLO SOLUTION

FLO installed an SKF MonoFlex Automatic Greaser - a single-line system, consisting of a gear pump with 2.7 L (6 lb.) reservoir, external control unit and parallel type piston distributors. The timer-controlled pump supplies fluid grease to the distributor blocks via the main line when the pump is in operation. At the end of the pump run-time, the pressure relief valve opens and the spring-loaded pistons in the distributors then discharge independently of each other, precisely measured amounts of lubricant from the metering chambers to the truck lubrication points: spring pins, steering linkages, king pins, slack adjusters, brake cams, tie rods, body hinge, cross shafts and water pumps.



Features of the FLO SKF MonoFlex Fluid Grease System:

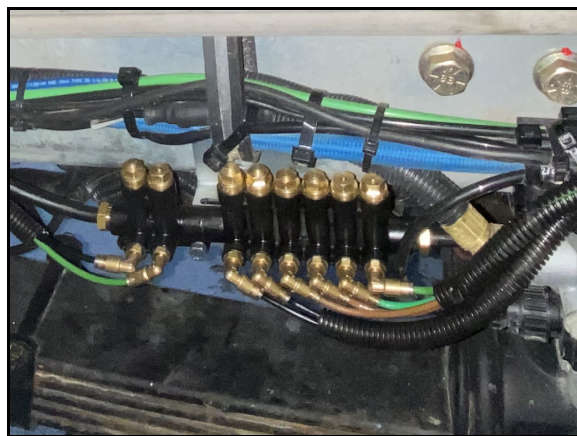
- Handles any brand of fluid grease NLGI #000 to 00 that meets system specifications, down to -25 °C or -13 °F.
- A totally electric 12 VDC pump eliminates the requirement to connect to the truck's air system, or any potential freezing of airlines due to condensation.
- A pressure gauge mounted at the pump, allows for visual monitoring of system pressure during maintenance inspections and trouble-shooting.
- Feedlines are connected through manifold blocks with individual distributors that are easily adjusted by changing the screw-in volume caps, without having to disconnect any grease lines.
- An electronic pump control unit with LED is installed separately in cab for easy visual inspection.

It has an adjustable timer for system "OFF" and "ON" time, and microprocessor that stores all operating states after the power has been switched off.

- It has full monitoring capabilities, including low level and lube failure, and signals any malfunctions via an indicator light.

FLO RESULTS

FLO's completely reliable autogreasing system dispenses small measured amounts of grease, frequently while the fire truck operates, maintaining a consistent grease seal to prevent water, salt and other contaminants from migrating into bearings. A constant flow of lubricant from inside the bearings outward, purges contaminants from the bearings and ensures they stay lubricated even after frequent wash downs. Most important, the truck does not have to be taken out of operation to be greased.



**For Total Lube Solutions,
GO WITH THE FLO!**

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