



CASE STUDY: ROAD BUILDING EQUIPMENT

APPLICATION: REMIXING TRANSFER VEHICLE

Remixing transfer vehicles work on road paving projects with strict deadlines. Unscheduled breakdowns are costly in terms of performance penalties and costs of last minute repairs.

THE FLO SOLUTION

The FLO Auto Lube System (ALS) consists of a Lincoln Quicklub® 24 VDC Series 203 pump with an 8L grease reservoir, UV positive displacement grease metering valves, and fittings, tubing and hose with standard re-usable hydraulic hose ends and adapters.



System Features:

- The system is controlled by the machine ignition switch, with no additional air or hydraulic hook-ups required, giving the installation long-term dependability.
- It includes an integrated timer with adjustable "Off" time up to 15 hours and "On" time of 2-30 minutes, for trouble-free operation and maximum flexibility to quickly adjust grease frequency to suit any location, environment or requirement.
- Points serviced by the system include: main & middle auger; main & middle conveyor; main conveyor pivot; lift cylinder rod & barrel ends; upper & lower kingpins; steer cylinder rod & barrel ends; tie rod; front oscillation; top & bottom swing pivots; conveyor cylinder rod & barrel ends; and conveyor cylinder bearings.
- Grease delivery to bearings is monitored by the visual cycle indicator pin (CIP) on the master UV grease metering valve. When the system cycles, the CIP shuttles back and forth, the wiper/paddle rotates in the reservoir and a pressure gauge shows operating pressure, allowing the operator to easily and quickly monitor system performance.
- Each valve assembly is supplied with a back-up remote, manual, high-pressure lubrication fitting servicing each point. In the unlikely event of a system shut-down due to a blocked line, the operator can quickly and easily trouble-shoot and identify the problem fitting and take immediate action. If the vehicle can't be taken out of operation for repair just then, the remaining valves can still be greased through the back-up grease fittings. Also, individual lines can be primed/flushed without having to disturb or remove any fittings. If an attachment is changed, the bearing housing can be easily primed before the pin is installed.
- UV valves assemblies are modular in design, so servicing can be done quickly without having to disturb or remove any grease lines.
- An in-line high-pressure grease filter with a cleanable and re-usable filter screen protects against contamination, the #1 source of lube system failure.
- The FLO system is suitable for most off-the-shelf North American greases and will handle lubricants up to an NLGI #2 rating to -25 °C or -13 °F, eliminating the requirement for any "specialized" grease.
- Independent pump outputs allow the ALS to easily interface with machine OEM and aftermarket telematics systems, to track when the lube reservoir is low or when the ALS is in fault and requires service.



FLO RESULTS

FLO's completely reliable autogreasing system dispenses small measured amounts of grease, frequently while the remixing transfer vehicle operates, avoiding breakdowns and keeping the machine out on the job meeting deadlines.

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

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