



Universal advantage



Drive shaft grease metering system has multiple benefits



Electronic flowmeter grease metering module

Cost savings on material, a reduction in waste, improved quality and environmental benefits are all good reasons for investing in capital equipment. If your investment includes all of these factors and the capital costs can be recovered in less than 2 years, then this is the industrial equivalent of the jackpot.

But this is exactly what GKN Driveline have done with the installation of a new DOPAG grease metering system at their factory in Aldridge in the heart of the industrial West Midlands in England.

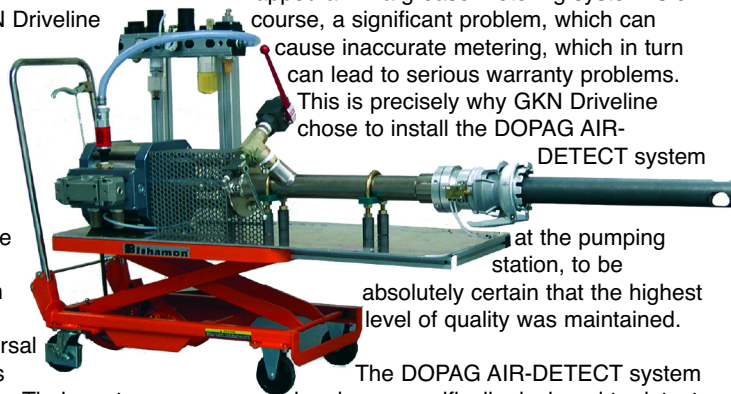
GKN Driveline are part of the massive GKN group of companies and specialise in the manufacture of drive shafts, which includes universal jointed propshafts as well as constant velocity drive shafts. Their customer base is international, ranging from light automotive to heavy truck and bus serving such household names as Jaguar, Land Rover,

Volvo, Fiat, Renault, Aston Martin, Chrysler as well as the world famous London Taxi. Switching from purchasing grease in 200 litre size drums to 1.7 tonne bulk containers gave immediate cost savings in economy of scale as well as a considerable reduction in the quantity of wasted grease. It also provided the opportunity to take advantage of DOPAG's newly launched horizontally mounted bulk container unloader.

This pump is designed to reduce downtime during container changeover as well as reducing the possibility of material contamination when compared to 200 litre drums.

Based on the standard DOPAG 48:1 ratio drum pump, this portable, scissor lift mounted pump is able to slide effortlessly, directly through the outlet valve of the IBC right to the centre of the container, ensuring perfect priming and minimising the possibility of air entrapment.

Trapped air in a grease metering system is of course, a significant problem, which can cause inaccurate metering, which in turn can lead to serious warranty problems. This is precisely why GKN Driveline chose to install the DOPAG AIR-DETECT system



at the pumping station, to be absolutely certain that the highest level of quality was maintained.

The DOPAG AIR-DETECT system has been specifically designed to detect air inclusion in grease systems, using piezo electric ultrasound transducers to sense any volume of trapped air above 1 cubic millimetre



without contact with the grease. If air is detected in the system, a valve system automatically discharges the affected amount to waste.

Metering the grease into the joints is carried out automatically at a number of remote stations and makes use of DOPAG flowmeter technology to ensure that correct volumes of grease are deposited into every joint. This is achieved by electronically measuring every shot of grease as it is dispensed and comparing the result to the pre-selected volume. Should the volume of any shot fall outside the pre-selected tolerance band then that component is rejected.

Accredited to environmental quality standard ISO 14001, GKN Driveline are committed to a year-on-year reduction in waste, which fits perfectly with the acquisition of their new DOPAG grease metering system.



DOPAG AIR-DETECT module