PROJECT OVERVIEW

APPLICATION BRIEF

MINING GREASE TRANSFER - INDONESIA

August 29, 2025

Indonesia's coal and nickel mines in regions such as Kalimantan and Sulawesi rely heavily on service trucks to provide grease, fuel, and lubricants to equipment operating in remote and humid environments. Grease transfer in these conditions is challenging due to high ambient temperatures, heavy rainfall, and variable infrastructure. Viscous grease must often be pumped over long distances under high pressure. Inaccurate metering increases the risk of under-lubrication, which can lead to costly downtime where access to replacement parts and technicians is limited by the remote location.

METER REQUIREMENTS

- Must maintain ± 0.5% accuracy even with high-viscosity grease
- Compatible with high-pressure grease pumps commonly used in mining
- Reliable in harsh environments with dust, vibration, and high ambient temperatures.
- Volumetric measurement to ensure precise grease delivery, avoiding under or over-lubrication
- Easy to service and integrate with service truck systems

OM025H Oval Gear Flow Meter

PRODUCT SPECIFICATIONS

- *High accuracy, unaffected by grease viscosity changes*
- *Positive displacement oval gear technology ensures true volumetric measurement*
- *Rugged design compatible with pressures of grease pumping systems*
- *Compact, robust construction proven in mining service environments*
- *Low maintenance and easy repairability*

PRODUCT SOLUTION

The FLOMEC® ½ in. OM015H and the 1 in. OM025H High Pressure Oval Gear flow meters ensures reliable grease transfer in Indonesia's demanding mining operations. Its volumetric measurement eliminates the inaccuracies caused by variable flow rates, guaranteeing that equipment receives the correct grease volume. The OM015's rugged design resists the humidity, rainfall, and harsh operating conditions found in Indonesian mines, while its compatibility with high-pressure pumps makes it ideal for longer distances. By ensuring precise lubrication, operators can extend equipment life, reduce unscheduled downtime, and maintain productivity in even the most remote mining environments.