



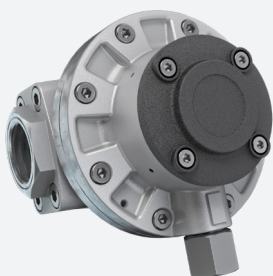
PROJECT OVERVIEW

Indonesia's coal and nickel mining operations, particularly in Kalimantan and Sulawesi, often occur in remote jungles with challenging logistics. Service trucks must operate in humid, high-rainfall environments, facing variable-quality fuels and the need for consistent servicing despite limited infrastructure. Mines operate mixed fleets of equipment from different contractors, placing high emphasis on accountability and reliable fuel and lubricant reconciliation.

METER REQUIREMENTS

- Meters must maintain $\pm 0.5\%$ accuracy regardless of fluid viscosity (fuel, oil, coolant, grease)
- Low pressure drop for high flow fuel dispensing
- Capable of handling temperature, pressure, and viscosity fluctuations
- Rugged construction to withstand dust, shock, and vibration common to mining
- Dual output capability: local display for operators and pulse output for integration with Fuel Management Systems (FMS)

OM025A001-222 Oval Gear Flow Meter



APPLICATION BRIEF

MINING SERVICE TRUCKS - INDONESIA

August 29, 2025

OM050S001-222 Oval Gear Flow Meter



PRODUCT SPECIFICATIONS

- Accurate to within $\pm 0.5\%$ with clean and viscous fluids.
- Low pressure drop allowing faster fuel delivery.
- Reliable mechanical design unaffected by viscosity or temperature changes.
- Simple, rugged construction with minimal moving parts.
- Proven robust operation in mining environments with dust, vibration, and shock.
- Dual output board: reed switch (local display) + solid-state signal for FMS.
- Easy to service, troubleshoot, and repair.

PRODUCT SOLUTION

FLOMEC® OM025 and OM050 flow meters provide reliable performance in tropical mining conditions where humidity, rain, and inconsistent fuel quality can challenge lesser meters. Their accuracy ensures fair distribution across mixed fleets, reducing disputes between contractors and mine operators. The OM015 High Pressure flow meter ensures grease delivery remains accurate in demanding conditions, and the rugged mechanical design minimises downtime where access to spare parts is limited. This makes OM flow meters a trusted tool for maintaining equipment reliability in Indonesia's remote mines.