INTRODUCING

OPS3 OIL PROPERTY SENSOR

- **Multi-parametric sensing**
- **Seamless integration & communication**



Proper oil monitoring is essential for maximizing performance and preventing premature failures in heavy equipment and hydraulic systems. To address this need, TE Connectivity (TE) has developed the OPS3 multi-parametric oil property sensor. Leveraging tuning fork technology, the OPS3 simultaneously measures multiple physical properties to assess fluid quality, condition, and contaminant loading in applications such as engine, transmission, hydraulic, and gear oils. Its multi-parametric analysis enables customers to define customized oil algorithms, delivering deeper insights and added value to their systems. Engineered for harsh environments, the OPS3 combines high performance with a scalable design that simplifies manufacturing, supporting increased production capacity to meet growing market demand.

APPLICATIONS

- Mining trucks, construction equipment
- Agriculture vehicles
- On-highway vehicles
- Hydraulic systems
- Compressors

ELECTRICAL

- Supply voltage: 9 to 60 VDC
- CAN2.0B SAE J1939

MECHANICAL

- Operating pressure: up to 25 bar
- Operating temperature: -40°C to +125°C
- Threaded port: M14x1.5 (SAE J2244)
- Sealing: IP6K9K

MATERIALS

- Stainless steel 316L (body)
- LCP (connector)

KEY BENEFITS

- Multi-parametric sensing
- Robust, compact construction
- Seamless integration & communication
- Cuts downtime and costs

STANDARDS AND SPECIFICATIONS

- RoHS and REACH compliant

LEARN MORE

- OPS3 Oil Property Sensor Product Page
- OPS3 Oil Property Sensor Datasheet
- OPS3 Oil Property Sensor Infographic
- OPS3 Oil Property Sensor FAQs
- OPS3 Oil Property Sensor Video
- OPS3 Oil Property Sensor Whitepaper

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