The Renold SmartGearbox MOT
Mobile Oil Tester

The world’s most advanced portable oil testing kit.

Key Features

The Mobile Oil Tester is an invaluable field or garage service and maintenance tool that helps to ensure your equipment operates reliably and efficiently. The Mobile Oil Tester will quickly pay for itself through extended service intervals and reduced breakdowns.

Proven Technology
A patented methodology that has been delivering value to customers for over 10 years.

Extremely Sensitive
Over 60 times more sensitive to oil contamination than other sensor technology, giving you the most accurate and detailed data available in real-time.

Simple to Use
Designed and built to be extremely easy to use; you will be up and running within minutes.

Independently Tested
Rigorously tested by independent bodies to verify the outstanding performance in a wide variety of applications.

Fully Certified
Fully certified to international standards to work in the majority of commercial and industrial environments.

Key Benefits

Reliability
Increase the reliability of your critical equipment; giving you the peace of mind knowing it’s being looked after 24/7 x 365.

Efficiency
Being able to proactively plan any maintenance stops you wasting time and money doing work that wasn’t necessary.

Cost Saving
Reduces the amount of oil used, also reducing the disposal costs for the waste oil.

Minimise Wastage
Dramatically reduce service costs by only making oil changes when they are actually required and not based on historical schedules.

The Mobile Oil Tester is the world’s most advanced portable oil testing kit that enables accurate condition sample tests of any oil anywhere in seconds. From a small sample, advanced technology provides an instant readout of the oil’s precise condition.
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Dimensions

Specifications

- Order Information
  Product Name: Mobile Oil Test (MOT) Kit
  Product Code: OQ-MOT-1

- Physical
  Weight: 3 kg
  Buoyancy Maximum: 9.1 kg
  Security: Stainless steel padlock hasps
  Handle: Single, fold-down, rubber over-moulded handle
  Features: Automatic pressure equalisation valve, rubber "O"-ring seal, solid wall design, scratch resistant
  Length: 306 mm
  Width: 234 mm
  Depth: 130 mm

- Oil Quality Detection Parameters
  Frequency: 15 per second
  Sensitivity: 15 ppm
  Accuracy: +/– 1%
  Elements: All wear and contamination elements

- System Requirements
  Operating System: Windows 7, Windows 8 and Windows 10
  Minimum Space: 100 Mb
  Internet Connection: Optional for application and database updates

- Standards and Certification
  Water & Dust: IP67 when connected
  Shock & Vibration:
    BS EN 60068-2-30 (Test De – Cyclic Humidity)
    BS EN 60068-2-6 (Test Fc – Sine Vibration)
    BS EN 60068-2-27 (Test Ea – Mechanical Shock)
  EMC:
    EN 61000-6-4:2007 (Generic Emissions Standard for Industrial Environments)
    EN 61000-6-2:2005 (Generic Immunity Standard for Industrial Environments)
  Case Protection: Waterproof, Crushproof, Dustproof, Corrosion-proof
  Case Certification: IP67, Stanag 4280 / Defstan 81-41, MIL-C-1450-J, ATA

In the box

- Renold Gears Oil Quality Sensor (OQSx)
- DIN Seal
- Configuration cable
- Product USB
- Product MOT Software
- 6 x Sample Bottles & Adaptor
- Cleaning Solvent
- Instructions
- Pel Case
- MOT Software

System Architecture

Ordering information

Mobile Oil Tester = OQ-MOT-1

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