Marine Fuel Testing

Test Measurement Instrumentation for testing Fuels for product specification release and quality control

H_2S analyser

An advanced instrument for the rapid measurement of H_2S in liquid petroleum products. Developed in collaboration with Lloyds Register

- IP 570, ISO 8217 Marine Fuel specification, ASTM D7621
- Measurement range from 0-250 mg/kg H_2S (0-250 ppm H_2S) in the liquid phase
- Fast measurement of less than 15 minutes compared to 3 hours with IP 399
- A non chemical method, no wet chemistry involved
- Small lab bench footprint with portability
- Critical Measurement method for Product Safety and Release
- Ideal for monitoring/inspecting residual fuel blends, bunkering, cargoes, products within the distribution system

Multi Filtration Tester (MFT)

Leading measurement technology for checking for filter blocking tendency of Marine Distillate Fuels F-76 Grade DEF STAN 91-5 2008 by IP 387 (Procedures A, B & C) & ASTM D2068, Correlates with ASTM D6426

- Fully automated operation & easy to use
- Large LCD display
- Results in less than 15 minutes
- Automatic calculation of FBT and F-QF
- Interface for PC/Printer with graphical output of result
- Remote end-of-test alarm option
- Simple calibration/verification of flow, pressure & temperature
- Filter housing & filter packs are available according to test method requirements

Ignition Quality Tester

Marine Gas Oils for Cetane number IP 498/ASTM D 6890/EN 15195 for Marine Distillate Fuels F-76 Grade DEF STAN 91-5 2008

- No need to run ASTM D613 CFR engines - excellent correlation by IQT
- Faster analysis (< 20 mins)
- Precise results: Repeatability of 0.88 and Reproducibility of 3.53 at 52 CN
- More flexible refinery feedstock component blending optimisation
- Allows tighter control of cetane additive addition to reduce give away
- Automated test procedure
- Constant Volume Combustion Chamber
- Small (<100ml) sample size

E: sales@stanhope-seta.co.uk T: +44 (0)1932 564391 F: +44 (0)1932 568363 W: www. stanhope-seta.co.uk

Marine Fuel Testing

Flash Point Testers for Marine Products

Setaflash Small Scale Testers for used Marine lubes…

ASTM D3278, D3828, D7236, IP 303 (Obs) Parts 1 & 2, IP 523, IP 524, ISO 3679, ISO 3680, BS EN 456

- Fastest, most cost effective way to check flash point
- Rapid determination of flash point with flash/no flash tests
- Small sample size
- Easy and reliable to use
- Wide temperature range in ‘closed’ and ‘open’ cup models

MultiFlash Flash Point Testers: Pensky Martens for Marine Fuels…

ASTM D93, IP 34, IP 404, EN ISO 2719 & ISO 15267

- Strict conformity to test methods
- Universal operation
- Fully automatic, easy to use
- Low cost
- Fast & reliable performance
- In-built safety

Seta Compact Clour & Pour Point Cryostat

ASTM D97-IP 15; ASTM D2500-IP 219; ASTM D5853 – IP 441; ISO 3015; ISO 3016; EN 23015

- 3 Individually Temperature Controlled Compartments
- 4 Air Wells in each Compartment
- Large Two Litre Capacity Compartments for Temperature Stability
- Two Stage CFC Free Refrigeration
- A compact cloud and pour point cryostat using a two stage CFC free refrigeration system to achieve a temperature range of ambient to -34°C.

Seta KV-5 Viscometer Bath

ASTM D445; D446; D2170; D2270; IP 71; IP 226; IP 319; BS 188; BS 2000 Parts 71 & 319; EN 3104; EN 12595; ISO 3105

- 8 Tube Capacity
- Ambient to 100 or 150°C Temperature Range
- Digital Temperature Control
- Integral Cold Water Cooling Coil
- Toughened Glass Front Panel

E: sales@stanhope-seta.co.uk T: +44 (0)1932 564391 F: +44 (0)1932 568363 W: www. stanhope-seta.co.uk