

LubInsight XRF neo

A premium analyzer designed for demanding operations. The LubInsight XRF neo spectrometer redefines analysis with exceptional levels of performance.



APPLICATIONS

For use as an energy dispersive XRF test kit to measure and indicate the following parameters:

- Residual BN and total iron content in drain oil
- Sulfur content in liquid fuels

This kit contains all necessary equipment for 50 tests.

FEATURES

The X-ray fluorescence (XRF) test kit is controlled by LubInsight Pad neo.

Compatible with drain oil from all cylinder oils, and fuels currently available in the market.

Accurate results including lubricant condition evaluation and alarm levels tailored to suit any lubricant.

Main engine maker recommendations referenced against results for drain oil.

BN, iron and sulfur content test results are delivered within 5 minutes.

Local memory, able to store up to 2,500 results in offline mode.

Replenishments and kit items can be delivered to any port, world-wide.

CUSTOMER BENEFITS

- ✓ The solution simplifies the samples preparation process, removing the need for operator involvement in any wet chemistry reagent tasks.
- ✓ Measuring the sulfur content of fuel ensures customers are compliant with local regulations.
- ✓ The operator receives on screen guided step-by-step procedures with the LubInsight Pad neo to ensure optimal use, every time.
- ✓ For the most complete and seamless user experience, from sampling operation to used oil monitoring, connect the solution to LubInsight Tag Scanner neo. Add LubInsight Tech'Care neo for a complete engine oil monitoring solution.
- ✓ The data is synchronized and accessible on a dedicated customer portal, and consolidated with laboratory analyses for a better follow-up and improved decision-making process.

TECHNICAL DESCRIPTION					
TEST	UNITS	MEASURING RANGE	ACCURACY	RESOLUTION	TEST TIME
Alkaline BN reserve	mg KOH/g	0 to 140	± 6	0.1	5 min
Fuel sulfur content	%S	0 to 5	Acc. to ASTM D4294	0.01	5 min
WEAR ELEMENTS					
Chromium	ppm	0 to 150	± 5	1	5 min
Copper	ppm	0 to 150	± 5	1	5 min
Iron	ppm	0 to 1,000	± 5	1	5 min
Molybdenum	ppm	0 to 1,000	± 5	1	5 min
Lead	ppm	0 to 400	± 5	1	5 min
CONTAMINANTS					
Nickel	ppm	0 to 600	± 5	1	5 min
Vanadium	ppm	0 to 1,500	± 5	1	5 min
OTHER METALS					
Calcium	ppm	0 to 60,000	Acc. to ASTM D6491	1	5 min
Zinc	ppm	0 to 2,000	Acc. to ASTM D6491	1	5 min
Phosphorus	ppm	0 to 1,000	Acc. to ASTM D6491	1	5 min
PART CODE	PRODUCT	DESCRIPTION			
CONTENT					
TC6001	LubInsight Pad neo	Monitoring console of the LubInsight neo range			
TC6000	LubInsight XRF neo kit	Energy dispersive XRF Analyzer kit			
TC6101	Spare pack of test cells	Pack of 50 test cells			
IT9113	Spare pack of sample bottles	Pack of 50 bottles for oil sampling			
IT9102	Test carrousel	Holding carrousel of 7 samples			
ADDITIONAL CONTENT					
TR5001	LubInsight Tag Scanner neo and Tag Kit neo	Digital sampling solution			

Lubmarine Used Oil Analysis Solutions Suite

