



# LUBE MONITOR

TECHNICAL BROCHURE



# COCKETT LUBRICANTS A WORLD OF SOLUTIONS



**LUBE MONITOR USES OIL ANALYSIS WHILST IN SERVICE TO PROVIDE USER FRIENDLY AND SWIFT REPORTS TO SUPPORT PREVENTIVE MAINTENANCE AND CONDITION MONITORING PROGRAMMES.**

## RECEIVE ALERTS WHEN PREVENTIVE MAINTENANCE IS REQUIRED

With the most extensive results data base and using most modern testing methodology to analyse the vessels lubricants in service, Lube Monitor supports your maintenance programs and generates savings by helping to prevent costly corrective maintenance actions.

Nowadays ship owners and ship managers have multiple targets from budget cost efficiency to condition monitoring and aim to prevent any possible costly down time.

While vessels maintenance is always a priority, anticipating possible failures while acting right on time can be a daily challenge.

Lube Monitor, developed by Cockett Lubricants, combines years of experience in vessel operations and in-depth lubrication expertise. This integrated service meets even the most comprehensive requirements in today's maritime business.

## WHY LUBE MONITOR?

In cooperation with one of the most well reputed and experienced marine laboratory Cockett Lubricants has created a holistic analysis service that enables you to:

**Lube Monitor Classic:** Check the condition of your oil in service and receive alerts and recommendations to reach optimal lubrication and determine preventive maintenance actions

**Lube Monitor Cold Corrosion Monitoring (CCMS):** User friendly, flexible and reliable CCMS is designed to perform trend analysis, anticipate and control cold corrosion in modern 2-strokes slow speed marine engines. This fast laboratory based program can easily be combined with Lube Monitor Classic, using the specific labels and manuals included in all Lube Monitor Sample Kits.

## LUBE MONITOR WEBSITE

The Lube Monitor website enables you to quickly share information, tasks and assignments between fleet superintendents and on-board crews. Vessels Groups in the data base can be configured according to your company specific requirements for easy convenience of your technical teams on board and on shore.

## GLOBAL SOLUTION TO LUBRICATION PERFORMANCE

## EXHAUSTIVE TESTING, RIGOROUS METHODOLOGY FIRST-CLASS LABORATORY EQUIPMENT



Laboratory test	Units	Test Method	Machinery System
Kinematic Viscosity @ 40°C	cSts	IP71	All
Kinematic Viscosity @ 100°C	cSts	IP71	All
Water	% Volume	In House	All
Soot/Insolubles	% Weight	FTIR	Engine
Flashpoint	°Celcius	IP35	Engine
Acid Number	mgKOH/g	IP139	Non-Engine
Base Number	mgKOH/g	IP276	Engine
ISO code	4/6/14 µms	ISO4406	Hydraulic
PQ index	/2ml	PQ Analex	Engine & Gearbox
Barium	ppm	ICP D5185	All
Calcium	ppm	ICP D5185	All
Magnesium	ppm	ICP D5185	All
Phosphorus	ppm	ICP D5185	All
Zinc	ppm	ICP D5185	All
Boron	ppm	ICP D5185	All
Sodium	ppm	ICP D5185	All
Silicon	ppm	ICP D5185	All
Lithium	ppm	ICP D5185	All
Aluminium	ppm	ICP D5185	All
Chromium	ppm	ICP D5185	All
Copper	ppm	ICP D5185	All
Iron	ppm	ICP D5185	All
Lead	ppm	ICP D5185	All
Tin	ppm	ICP D5185	All
Molybdenum	ppm	ICP D5185	All
Nickel	ppm	ICP D5185	All
Titanium	ppm	ICP D5185	All
Silver	ppm	ICP D5185	All
Manganese	ppm	ICP D5185	All
Vanadium	ppm	ICP D5185	Engine

### LUBE MONITOR: SIMPLE STEPS AND USER-FRIENDLY PROCESS

- Order your Lube Monitor sample kits from your dedicated Cockett Lubricants executive
- Pick up your Lube Monitor sample kit from your Agents at next port of call
- Prepare your samples according to your requirements either Classic Analysis or CCMS service and label them carefully, using the specific labels included
- Send the samples to the Lube Monitor laboratory using the DHL prepaid airway bill and envelope.
- At the Lube Monitor Laboratory, expert Marine Engineers analyse the samples
- Use your personal ID and Password to open your vessel file on the Lube Monitor website and consult your latest reports and Lube Monitor Marine Experts recommendations
- Study your vessel historical trend in the Lube Monitor data base to determine your condition monitoring programme
- Benefit from our Marine Technical Experts advice at each step





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