

SEA-Mate[®]

Cylinder Oil Consumption Meter

“Our Cylinder oil consumption meter have now been running continuously for over 1 year without any breakdowns or required maintenance. It has helped us to maintain a very accurate information of the actual cylinder oil consumption.”

C/E onboard Marstal Maersk

Challenge

Engine lubrication oil is one of the highest running costs onboard a vessel.

Knowing the actual cylinder oil consumption at a given engine load and time, will make it possible to detect significant deviations from calculated consumption and keep a better track of actual onboard consumption.

Today's cylinder oil consumption figures are calculated estimates based upon tank level readings or flow meter measurements. Years of operation with mechanical- and mass-flowmeters have shown they are sensitive towards flow pulses and vibration. It also makes it difficult to identify actual consumption at a given engine load. Experience shows that estimates or measured results often deviate significantly from actual consumptions, leading to cost exceeding estimates.



Solution

The SEA-Mate COM Cylinder Oil Consumption Monitoring system makes it possible to measure actual cylinder oil consumption in real-time. The operator will be given the actual flow in liters per hour, consumption since last reset which can be used to track consumption during a given period and at last the total accumulated consumption since installation.

It is a cost-efficient system that makes it possible to verify that the lubrication system supplies the anticipated volume of cylinder oil at given engine load. The accuracy of the SEA-Mate system is within 0.5 % and the simple, maintenance free and easy to use system is not affected by pulsations, vibrations or other parameters.

The system is the perfect online companion when optimizing lubrication, as well as for general lubrication troubleshooting and consumption monitoring. The system is compatible with already existing lubrication systems regardless of engine maker and model.

Online connection

We offer the system with multiple data connections to fit your requirements. This enables the system to be connected directly to vessels own integrated system for quick data distribution and allowing to monitor the actual consumption of cylinder oil from shore.

To learn more about this system, please contact us at: MFTservice@marinefluid.dk

Specifications	SEA-Mate COM
Operation	Fully Automatic
Data Output	IP / USB / SD / Ethernet
Integration with existing system	YES
Power requirements	3 x 440 V
Working temperature (°C)	5-55
Dimensions (L x H mm)	230 x 950
Net weight (kg)	35
Sensor Response time	0,04 S
Time between Service	> 5 year

