



SENSORS

LOTM

Lube Oil Temperature Monitor

- Oil temperature monitoring in crankcases
- Prevents your engine of severe damages
- Simple principle with high valuable output
- GL approval



LOTM – Lube Oil Temperature Monitor

The Lube Oil Temperature Monitor (LOTM) is designed to protect the crankshaft as well as other sliding metallic surfaces on marine diesel engines using early prediction of severe damages.

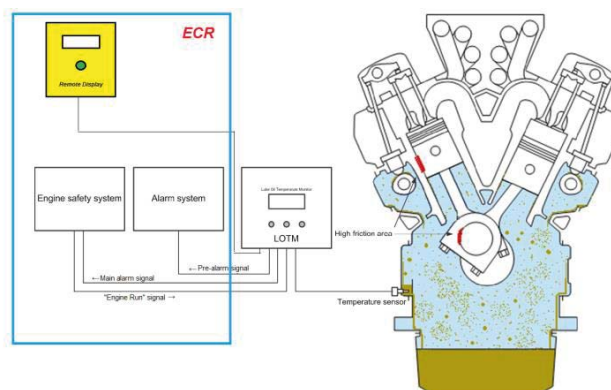
The protection principle is based on the detection of above-normal lubricating oil temperature caused by increased friction of engine moving parts (for example bearings or piston rings).

The circulating lube oil comes out from the rotating components and splashes on the crankcase inner walls and crankcase covers. On the crankcase covers there are special catch pockets with mounted temperature sensors.

The current temperature values are constantly measured and processed by a micro controller.

The microcontroller of the LOTM calculates the mean temperature and compares each station temperature value with permissible deviation value and maximum permissible temperature.

In case of an abnormal temperature deviation the LOTM switches on an alarm signal which is transmitted to the connected ship alarm system.



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