

Everllence

OMD

for 28/33



Main Benefit



Safety improvement

Oil Mist Detector



Safety improvement

- Prevention of severe damage to major engine components
- Continuous monitoring of the engine crankcase for oil mist
- Easily integrates into existing ship or plant safety systems for automated responses



Other Benefits

- Reduction of false alarms through special suction funnels and integrated heating in the sensor housing
- Valued by insurance companies
- Small investment that helps prevent costly engine repairs

How the Solution works

- OMD system functions as an active safety feature, continuously extracting air from the engine crankcase
- Detects oil mist formation early, before dangerous concentrations are reached
- Special suction funnels ensure reliable sampling regardless of engine rotation direction
- Integrated drainage components maintain stable operation under all load conditions
- Sensor housing includes a built-in heater to prevent false alarms caused by water vapor condensation
- System outputs include two oil mist alarms, a pre-alarm, and a ready-for-operation signal
- Designed to integrate with the engine's overall safety system for automated protective action



For further information:

Should you have any queries, our Retrofit & Upgrades team will be pleased to be of assistance.

EVERLLENCE SE
PrimeServ Germany
Stadtbachstraße 1
D-86153 Augsburg

Contact:

retrofit4s@everllence.com

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Scope of Supply

- OMD detection unit with mounting plate
- One suction funnel installed at each cylinder unit
- Common intake pipe connecting all suction funnels to the OMD detection unit
- Return pipe for continuous gas circulation and pressure balance
- Piping for connecting the OMD unit to the engines compressed air system
- Complete cabling and installation material

Modern Safety Standard

- OMD has been the primary safety feature for protecting medium-speed diesel engines
- Installed as standard equipment on all new engines



Applicability

Recommended for 28/33 engines especially in marine applications:

V28/33D, V28/33D STC

Provided Signals

- Shut down opacity high (safety system)
- Pre alarm opacity high (alarm system)
- Device ready (alarm system)



MAN Energy Solutions is now:

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