

PrimeServ

New service products

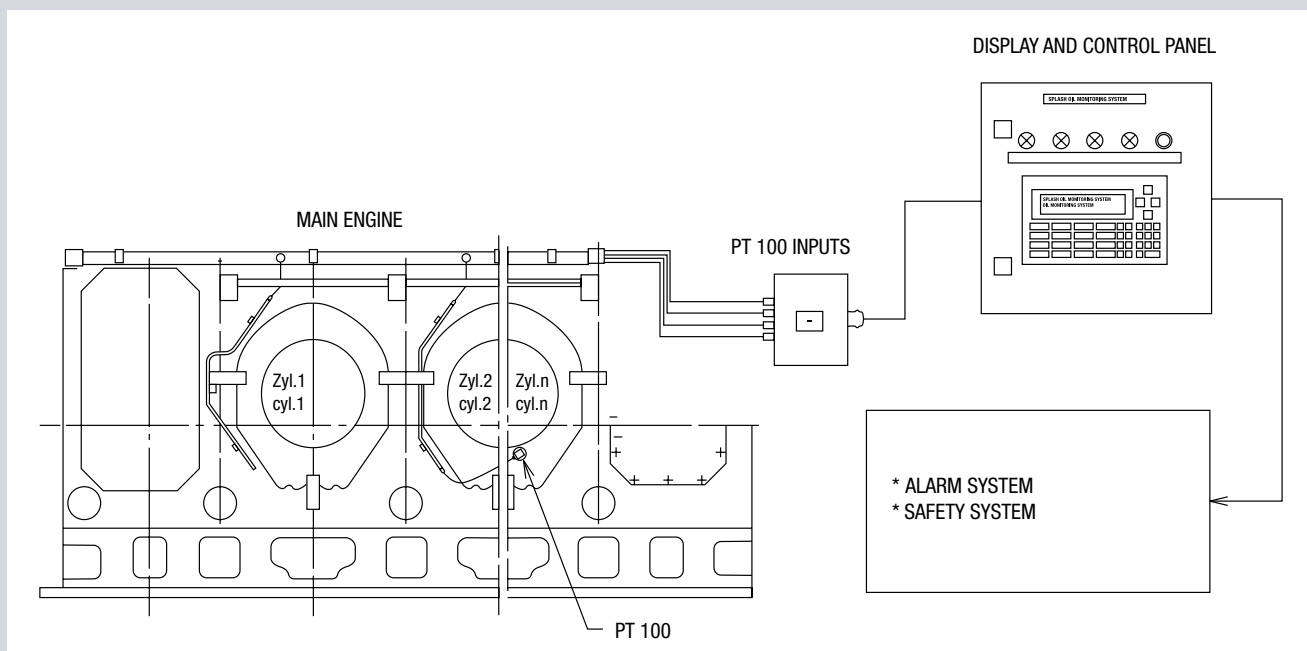
Crankcase monitoring with the Splash Oil Monitoring System

fast reliable innovative
EXCELLENCE
reliable innovative fast
excellence

Crankcase monitoring with the Splash Oil Monitoring System

>> Engines 32/40 to 58/64

Splash Oil Monitoring System



Crankcase monitoring to date

Up to now, crankcase parts have been protected with the following safety devices:

- >> Main bearing temperature monitoring with permanently installed temperature sensors in the main bearing cover (optional).
- >> Oil mist detectors for monitoring all the important engine components (only common on 48/60B with cast pistons – no standard for other engines).

These safety devices do not prevent damage, although they do considerably limit its extent and consequences. They have to respond quickly and in good time when the damage starts in order to prevent a complex repair or replacement of expensive parts. This requirement is not satisfactorily fulfilled with the conventional monitoring systems.

Our suggestion for better crankcase monitoring

In order to achieve a significant advance in the restriction of damage, we have developed a monitoring system that reacts efficiently and works reliably – the "Splash Oil Monitoring System".

The "Splash Oil Monitoring System" was ready for series production in 1999 and – following an appropriate test phase – became standard in our engines in 2003.

Crankcase monitoring with the Splash Oil Monitoring System

>> Engines 32/40 to 58/64

The "Splash Oil Monitoring System" offers the following functions

- >> Display of the current lubrication oil temperature in the crankcase for each cylinder
- >> Monitoring of a defined maximum value
- >> Monitoring of the maximum permitted deviation of the running gear from the average
- >> If there are deviations from the permissible operating values, alarm signals are generated for the alarm system and an engine stop signal is generated for the safety system
- >> Monitoring of the system functions
- >> System histogram with automatic saving of alarms

The "Splash Oil Monitoring System" reacts even when there is a slight increase in the localised lubrication oil temperature caused by bearing damage or corrosion. This provides outstanding protection against malfunctions and prevents serious and costly damage by immediately stopping the engine.

Retrofitting

The "Splash Oil Monitoring System" can be used as a retrofit kit on all the engines in our current range as well as on older engines and those produced by other manufacturers. It is a valuable enhancement of the existing safety devices (main bearing temperature monitoring and oil mist detector).

It takes our specialists two or three days to install the complete system into a current or recent model, including commissioning.

The "Splash Oil Monitoring System" makes an important contribution towards damage prevention and high availability and can be supplied as a unit within 4-6 weeks.

Our technical service will be happy to answer any questions you may have. Please do not hesitate to ask for detailed information or a no-obligation customised fixed-price quote for a "Splash Oil Monitoring System" for your engine installation.

Please contact:

MAN Diesel SE
Service Augsburg
Stadtbachstr. 1
86224 Augsburg
Germany

Phone: +49 821 322-0

Fax: +49 821 322 3838

E-mail: service@de.manbw.com

www.manbw.com