

Sea ahead. We believe in the power of Digital. MAN PrimeServ

We live in challenging times. Future-proofing and digital monitoring is becoming more and more crucial. To safely navigate through the uncertain seas of tomorrow. It needs technologies of tomorrow. Our digital solutions help you stay competitive, fast and safe in the everchanging Marine sector.

For us it's monitoring performance. For you it's maximizing output.

Whether you operate a vessel, fleet, or plant, the success of your business rests upon the hardware that supports it.

It is crucial that your MAN equipment and systems perform flawlessly - and this is where PrimeServ Assist comes in. PrimeServ Assist is our continuous monitoring and advisory service powered by MAN CEON, the backbone of our digital services offering, which is securely linked to your equipment. You can optimize performance and uptime through real-time data, cutting-edge AI, and OEM, expert support.



Engine optimization

PrimeServ Assist gives you operational insights and proactive advice to optimize performance.



Reduced emission

Combined with the latest propulsion and emission technologies, PrimeServ Assist can help you meet your emission goals.



Reduced downtime

PrimeServ Assist is all about maximizing uptime and making maintenance scheduling more predictable.



Strategic tool

With continuous, comprehensive and near real-time machine monitoring, PrimeServ Assist allows smooth engine and fleet operation.

Discover our new digital feature of PrimeServ Assist!

Performance score

The Performance Score provides a strategic and easy overview of the engine performance. It gives the user one single key figure that reflects the overall engine performance - derived via various parameters. The Performance Score is calculated based on 11 sub scores. It gives the indication of which part of the engine needs attention and if immediate action is recommended.

How it looks



Performance Sub Scores



Performance sub scores

Cooling

We measure how effective the engine air coolers are.

Exhaust temperature

To indicate turbocharger efficiency we measure the temperature of the exhaust gas entering.

Heavy running number We measure how heavy the propeller is running.

P(comp) control We measure the compression pressure

Load control

We check if the measured engine load is as expected.

P(comp) balance We measure the compression on each cylinder.

P(max) control We measure the maximum combustion pressure

P(scav) control

We measure the scavenge air pressure.

P(i) balance

We measure the indicated mean pressure on each cylinder and calculate a score based on the balance between cylinders.

P(max) balance

We measure the maximum combustion pressure on each cylinder and give a score based on the balance between cylinders.

Turbocharger speed

We measure the turbo charger speed, a key indicator for its condition.

How it works

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Relevant data is generated at approx. 30 data points.

2 The data is

The data is analyzed focusing on 11 sub values. Each targeting a specific part of the engine.

3

The performance score is calculated giving a clear and easy indication of the engine performance.

4

The index gives an overview where improvements can be done and where immediate action is needed.

The remote operations center monitors all engines 24/7. They are able to assist the vessels in bringing the

condition.

engine back into optimal

MAN PrimeServ

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