Hans Jensen Lubricators

HJ SIP Injection Valves

- Reduce cylinder oil consumption and improve cylinder condition

Reduce oil consumption and risk of cold corrosion with the patented HJ SIP injection valves on 2-stroke marine diesel engines.

The HJ SIP injection valves creates an optimum utilization of the injected cylinder oil and a uniform oil film on the upper liner wall of the cylinder. The valves injects the oil directly - by high pressure - on the liner wall and is thereby able to reduce the risk of cold corrosion and lower cylinder oil consumption significantly.

Due to the development of super- and ultra long stroke engines, the distance from injection point to the top of the liner (TDC) have increased. This have become a challenge for standard valves. HJ SIP valves are beneficial due to the larger surface area that needs to be covered. By injecting the oil directly on the upper liner wall of the cylinder, HJ SIP valves reduces the risk of increased wear and cold corrosion.

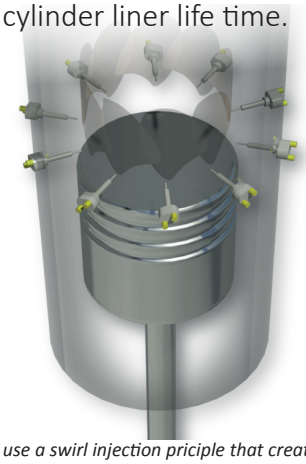
Hans Jensen Lubricator's innovative lubrication systems and valves can be installed on new buildings and as retrofit on 2-stroke marine diesel engines.

Product features

- Injection of cylinder oil above the piston.
- Uniform distribution in top of liner.
- Fits engines from all engine designers.
- Effectively fights sulphuric acids.

Your advantages

- Optimum utilization of the injected cylinder oil.
- Improve cylinder condition and engine reliability.
- Reduced cylinder oil consumption.
- Minimize risk of cold corrosion and reduce wear.
- Reduce partical emission-Become a greener fleet.
- Increase cylinder liner life time.



The HJ SIP use a swirl injection priciple that creates an optimal and uniform oil film on the cylinder wall.

Selected References

MEDITERRANEAN SHIPPING COMPANY

NYK LINE NIPPON YUSEN KAISHA

MAERSK LINE

EVERGREEN

PIL