Hans Jensen Lubricators

HJ Mechanical

Cylinder Lubricators

HJ mechanical lubricators are Hans Jensen Lubricators' conventional lubricators, which can be combined with both non-return valves and SIP valves. The mechanical lubricators are characterised by being sturdy and reliable, and are therefore the obvious choice for shipowners who are pro-mechanics.

The basic purpose of the HJ Mechanical Cylinder Lubricators is to supply cylinder lube oil to the cylinders in order to reduce wear and corrosion of the pistons and cylinders. Without cylinder lubrication, the cylinder liners and piston rings will wear out quickly and the operation conditions of the engine will therefore deteriorate rapidly. and cold corrosion. At the same time it is possible to lower cylinder oil consumption significantly.

The original design concept of the HJ Mechanical Cylinder Lubricators has proved to be stable and reliable and therefore the principle still applies today. The design, however, has been continuously improved to meet the customers' increasing demands. The design concept is based on a pump principle where a cam shaft activates a number of piston pumps synchronously with the engine revolutions. Each piston pump thereby supplies fresh cylinder lube oil to each valve at each engine revolution.

Purpose

The basic purpose of the HJ Mechanical Cylinder Lubricator is to pump cylinder lube oil through the pressure tubes and into the cylinder lubrication valves lubricating the cylinder liner. The cylinder lubrication reduces the friction between the pistons and the cylinders, whereby the wear is reduced. At the same time, the cylinder lube oil neutralises the formation of acid during combustion, which is the direct cause of corrosion. Characteristic for HJ Mechanical Cylinder Lubricators is that the lubricator operates synchronously with the engine and thereby supplies fresh cylinder lube oil at each piston stroke.

Customer specific solutions

The HJ Mechanical Cylinder Lubricator can be configured in many ways in order to comply with the customers' individual requirements best possible. Following features are specified by the customer:

- Number of piston pumps in a cylinder lubricator unit
- Piston diameter
- Heating
- Pressure-tight or non pressure-tight
- Surveillance
- Cylinder lubricator drive
- Safety valves
- Quantity adjustment