

Alpha lubricator

The Alpha Lubricator system reduces cylinder liner wear and optimizes the cylinder lube oil consumption. This solution is a complete overhaul of the cylinder lubrication system.

Substantial over-lubrication during slow steaming generates abrasive deposits on the piston crown and rings, which increases the risk of cylinder liner damage and results in suboptimal usage of the cylinder lube oil.

Precise lube oil dosage reduces cylinder liner wear and maintenance costs

The Alpha Lubrication system adjusts the cylinder lube oil feed rate according to engine load and fuel oil sulfur content.

The control unit of the Alpha Lubrication system optimizes the cylinder lube oil feed rate with an algorithm based on engine load. In addition to dosing the lube oil in proportion to the load and the sulfur content, the control unit ensures that the lubricators continue to inject an optimal lube oil dosage to provide adequate oil film and sufficient detergency.

The test results show that the Alpha Lubrication system reduces costs of cylinder lube oil and maintenance.

Please contact your Everllence PrimeServ office for more details.

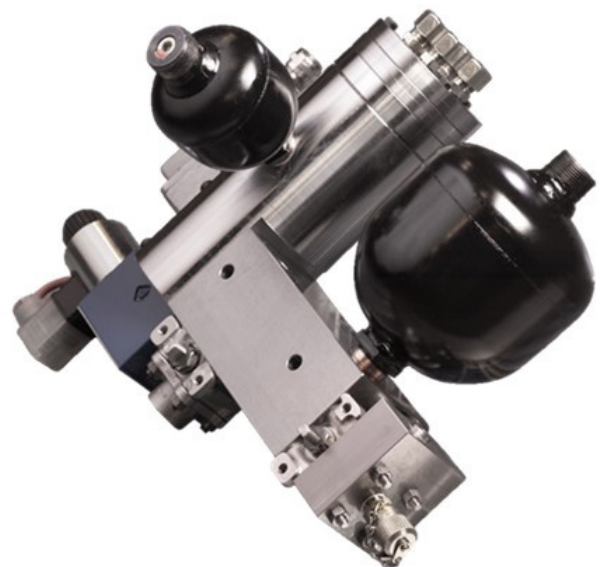


Figure 1: Alpha Lubricator

Alpha lubricator

Upgrade lubrication system to reduce cylinder liner wear and maintenance costs

Key benefits

- Optimized cylinder lube oil consumption at all loads
- Reduced cylinder liner wear and risk of scuffing
- Completely automated
- Lubrication parameters are easy to read and adjust if needed
- Improved non-return valves
- Reduced maintenance costs
- Lower particle emission

Scope of supply

Complete Alpha Lubrication system set, consisting of:

- Alpha Lubricator control units (Main Control Unit, Switch Board Unit, Back-up Control Unit)
- Lubricators
- Human machine interface (HMI) panel
- Booster pump unit
- Encoder
- Load transmitter
- Tacho pick-up sensors
- Non-return valves and pipe
- Installation accessories

More information

Contact your local Everllence PrimeServ office for more information about the product and how the upgrade can improve your specific engine.

Everllence PrimeServ

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Applicable to

All Everllence B&W MC/MC-C engines

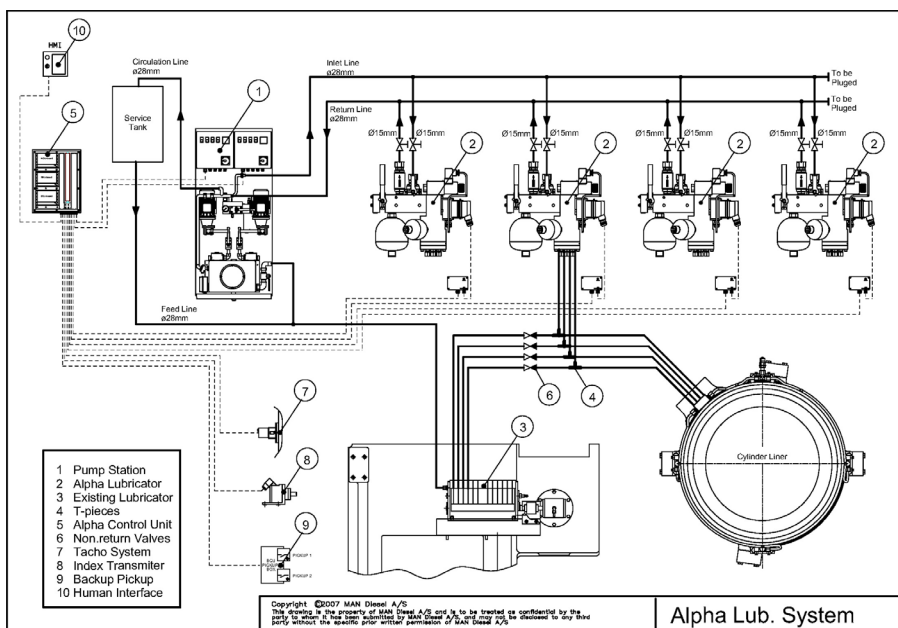


Figure 2: Alpha Lubricator single system diagram