

Alpha lubricator ME upgrade

The Alpha Lubricator ME upgrade reduces cylinder liner wear and optimizes the cylinder lube oil consumption. The upgrade consists of plungers and a software update to optimize existing lubricators.

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.

Reduces cylinder liner wear and maintenance costs

The Alpha Lubricator ME upgrade increases the cylinder lubrication frequency across all engine loads while reducing the cylinder oil volume injected with each stroke. The higher injection frequency ensures an adequate oil film to reduce the abrasion between cylinder liner and piston rings. Test results have shown that this reduces the iron content in the drain oil by up to 40%, in addition to optimizing the lube oil consumption.

New algorithm to optimize injection frequency and amount based on engine load

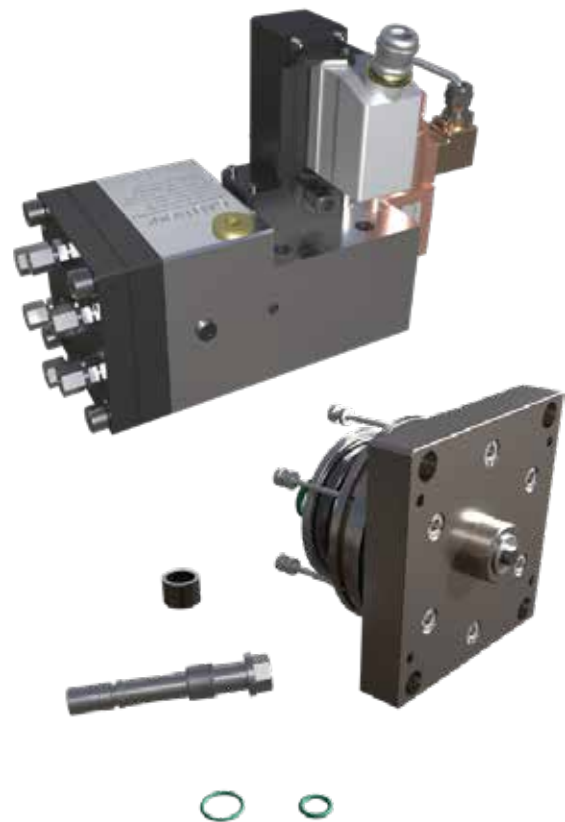
The injection frequency and amount are optimized with new software update that controls the injection based on the engine load. The latest engine control software or a parameter update delivers the algorithms needed to change the cylinder lubrication control.

New lubricator parts to reduce injection volume

A smaller plunger diameter and adjusted stroke length lower the volume of cylinder lube oil injected across all engine loads. The upgrade kit includes plungers with the smallest possible diameter for your specific engine.

The Alpha Lubricator ME upgrade will be adjusted to suit your specific needs for your vessel.

Please contact your Everllence PrimeServ office for more details.



Alpha lubricator ME upgrade

Upgrade lubrication system to reduce cylinder liner wear and maintenance costs

Key benefits

- Reduced iron content in the drain oil
- More accurate lube oil feed rate control at all engine loads
- Minimizes over-lubrication at low load to reduce deposits and improve the cylinder condition
- Implements features from a more recent engine design
- Upgrade to the latest software version for improved functionality

Scope of supply

The standard ME upgrade kit consists of:

- Engine control system software version upgrade or parameter update
- Small diameter plungers
- Spacers – to adjust the stroke length
- Non-return valves

The ME upgrade kit can also include:

- Actuator piston, lubrication block, feedback sensors, accumulators depending on the existing installation

Scope of supply will differ depending on the engine configuration.

Applicable to

All Everllence B&W ME/ME-C/ME-B engines

More information

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

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