

Fuel system upgrade package

The Fuel system upgrade package enhances the fuel treatment to help eliminate consequences of changed usage patterns and increased concentration of particles in the fuel oil.

The Everllence GenSet engines have brought value to owners of power plants and vessels for many years. GenSet engines built two or more decades ago continue to deliver value today. However, catalytic (cat) fines from low-sulfur fuel oil can cause abrasive wear on the engine components. To reduce emissions and save fuel, GenSet engines now run on low load for long periods of time.

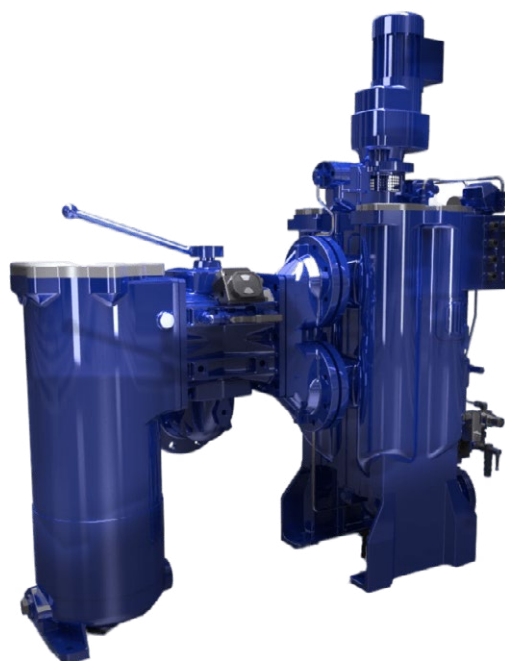
Cat fines in the fuel oil and the changed usage patterns affect the fuel nozzles, so they need to be replaced frequently, even after only 400 running hours. Poor performance of fuel nozzles leads to issues with valves, nozzle rings, turbocharger performance, cylinder units, and the lubricating oil. This leads to higher maintenance costs and increased risk of GenSet engine failure.

Improved fuel cleaning lowers the maintenance costs

The two fuel oil filter units in the Fuel system upgrade package will significantly improve fuel cleaning, protecting essential engine parts against wear and carbon soot deposits. Small turbochargers are more sensitive to fouling than large ones. To facilitate turbocharger cleaning, the package includes two cleaning devices.

Installing the 10 µm backflush filter from the Fuel system upgrade package has extended the service hours of the fuel injection nozzles to up to 8000 hours. As an alternative to the complete package, you have the option to purchase just a part of it.

Please contact your Everllence PrimeServ office for more details.



Fuel system upgrade package

Improve GenSets' service life

Key benefits

- Minimizes unplanned maintenance and off-hire time
- Longer lifetime of fuel nozzles
- Improved combustion throughout the lifetime of the fuel injection nozzles
- Prevents valves from sticking
- Longer cleaning intervals at the turbocharger turbine side
- Less lubricating oil contamination from cat fines
- Better turbocharger performance
- Less fouling of turbocharger
- Less wear on the turbocharger nozzle ring
- Less wear on piston scraper rings and cylinder liner
- Improved protection of bearings because the lubricating oil contains fewer abrasive particles

Scope of supply

- New fuel injection nozzles – same standard as for new engines
- Duplex fuel-oil filter – safety filter, in case of fuel separation system failure
- Turbocharger water-flushing device to improve turbocharger performance through cleaning
- Turbocharger dry-cleaning device to improve turbocharger performance through cleaning
- One 25-kg bag of nutshell granulate for turbocharger dry-cleaning. Corresponds to roughly 2–3 months consumption

Applicable to

Available for the engine types L16/24 Mk. 2 (for L16/24 Mk. 1 together with the Mk. 2 Upgrade), L21/31, L23/30H, L27/38, L28/32H, and V28/32S

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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