

Experience the benefits of high-performance lube oil cleaning

The quality of your lube oil determines equipment lifetime and levels of productivity. Cleaned lube oil maintains its quality over time and is therefore essential to a healthy, trouble-free process. There are three common lube oil cleaning technologies: centrifugation, filtration and coalescence.



CENTRIFUGATION

A centrifugal separator uses a centrifugal force to separate particles and water from the lube oil in a continuous process. The water is released while the contaminating solids are stored separately. Alfa Laval offers centrifugal separators in different configurations, from mobile modules to integrated systems. Centrifugation has several benefits:

- Removes both particles and water in a single operation
- Highly effective, separates particles as small as 1 μm
- Continuous operation without loss of capacity
- Requires minimal service and maintenance
- Enables more process uptime
- Prolongs equipment lifetime
- Best Total Cost of Ownership (TCO)

FILTRATION

Filtering uses filter elements of varying mesh sizes to capture solid particles. When the filter cartridge reaches contamination capacity, it is removed and replaced with a new one.

COALESCENCE

Filters can't capture large amounts of water or other liquid contamination. If you use a filter system to clean the lube oil, you also need a coalescer module to remove water.

CHOOSING THE RIGHT TECHNOLOGY

Lube oil cleaning is a proactive method to save considerable costs annually, where different technologies have varying degrees of efficiency and cost. Our expertise can guide you to the optimal lube oil cleaning technology for your needs.



LUBE OIL CLEANING TECHNOLOGIES COMPARED

	Centrifugation	Filtration	Coalescence
Particles & water separation?	yes	no	no
Particle removal	yes	yes, partly	no
Free water removed	yes	no	yes
Emulsified water removed	limited	no	limited
Dissolved water removed	no	no	no
Capital cost	high	low	low
Operating costs	low	high	high
Total cost of ownership	low	high	high

ABOUT ALFA LAVAL

Alfa Laval is a leading global provider of specialized products and engineering solutions based on its key technologies of heat transfer, separation and fluid handling.

The company's equipment, systems and services are dedicated to assisting customers in optimizing the performance of their processes. The solutions help them to heat, cool, separate and transport products in industries that produce food and beverages, chemicals and petrochemicals, pharmaceuticals, starch, sugar and ethanol.

Alfa Laval's products are also used in power plants, aboard ships, oil and gas exploration, in the mechanical engineering industry, in the mining

industry and for wastewater treatment, as well as for comfort climate and refrigeration applications.

Alfa Laval's worldwide organization works closely with customers in nearly 100 countries to help them stay ahead in the global arena. Alfa Laval is listed on Nasdaq OMX, and, in 2017, posted annual sales of about SEK 35.3 billion (approx. 3.6 billion Euros). The company has about 16 400 employees.

www.alfalaval.com/lube-oil-cleaning

