Wågene Purifiner Technology

We keep oil always clean

Purification of environmentally EAL-oil on all types of hydraulic systems

- Shipping
- Thrusters
- Stern-tube
- Cranes
- Winches
- RoRo equipment

www.waagene.no

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Evaporator away all water in oil

It's a challenge to keep oil free of water. With Purifiners oil technology we have solved this problem, all water is evaporated out, also emulsified water.

Today the use of EAL-oil (Environmentally Acceptable Lubricant), require stricter standards for oil kept free of water in thrusters, stern-tube or other systems that have EAL-oil (HEES Hydraulic Oil Environmental Synthetic Ester).

OIL PURIFINER
Clean oil saves money

A EAL-oil is degraded in water, which means that the system must be free of water otherwise decomposes down inside the plant. Several oil suppliers recommend that EAL-oil should not have higher water contents one <0.1 % (1000 ppm).

Purifiner - test of bio-oil

The following values of particles, water and NAS class is analyzed by Norsk Oljelaboratorium AS.

	Number of particles above 5 micron	Water in ppm	Water in %	NAS grade
New oil	11.410	254	0.0254	6
After added water	18.847	25.000	2.5	7
After 2 hours of cleaning	16.573	1.800	0.18	6
After 4 hours of cleaning	3.723	158	0.0158	4

After added water

After 4 hour of cleaning

After 4 hours of cleaning, the oil is better than new oil and the reduction of water in the oil after the test is 99.3%. In addition, the reduction of particles after the test is 80.2%.

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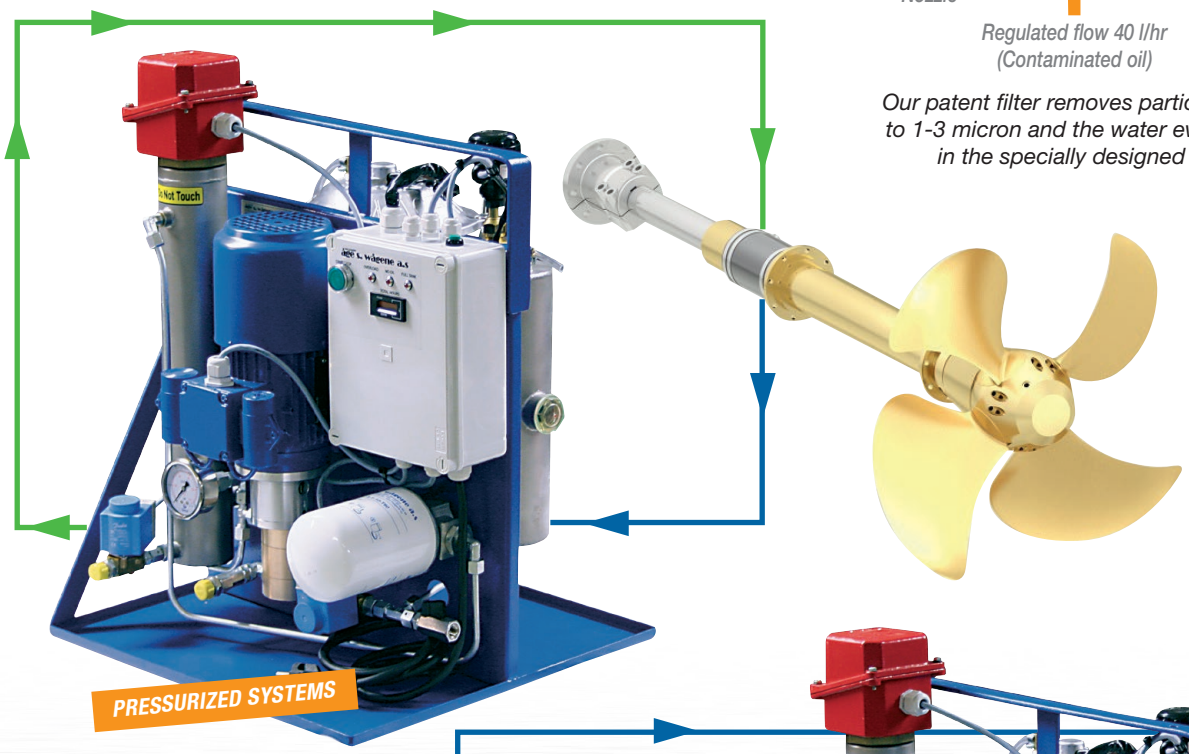
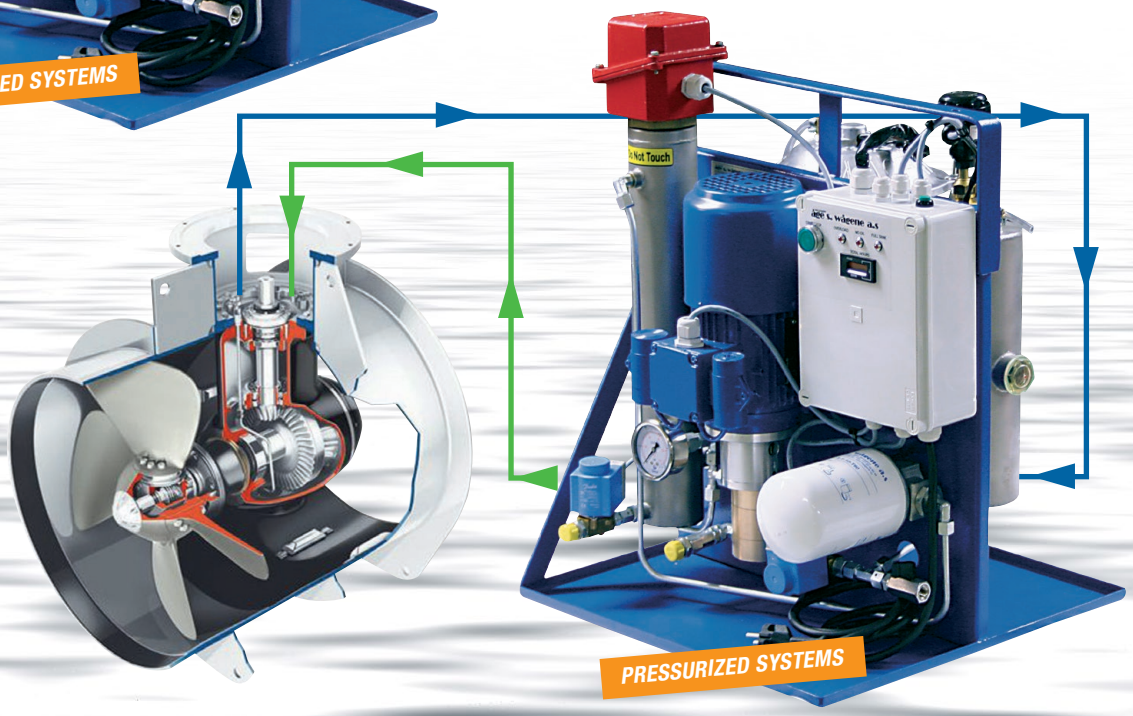
Why choose Purifiner

- Clean cotton filter + evaporation of water
- Continuous oil maintenance provide the best results for pure oil
- Most reliable technology on the market
- The lowest operating cost for a filter system on the market
- Provides significant cost savings to the oil and future breakdowns
- Small investment with good profit
- Extends oil life by 10 to 15 times
- Always clean oil - less mechanical failures and downtime

Our patent filter removes particles down to 1-3 micron and the water evaporates in the specially designed top.





We make oil greener

The root cause of mechanical failures is contaminated oil. By maintaining oil quality by removing water and particulates, there will be less mechanical failures and downtime, reduced operating costs and consumption, and enhanced life of the equipment. Combined, the significant benefits of maintaining oil quality will make your business greener.

We have delivered more than 3,000 filter plant to shipping worldwide - with the best results.

Some of our references:

Color Line · Norwegian Cruise Line · Bourbon · Norled · Hurtigruten · Costa Cruises · Teekay Corporation · Royal Caribbean International · Buksér og Berging · Holland America Line · Fjord1 · Knutsen OAS Shipping AS · Carnival · Rolls-Royce · ConocoPhillips

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