



**SIMPLEX
AMERICAS**

We keep oil always clean

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

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



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).



Specifications Purifiner TS5060PMH

Capacity:	600 litres/24 hour
Oil amount:	Up to 3,000 litres (flow in the system / tank to be cleaned)
Oil type:	All hydraulic- and lubricating oils
Viscosity:	32 - 320
Max pressure in:	200 bar (with reduction valve) 3 bar as standard
Max Back-pressure:	8 bar
Filter use:	Approx. 4 filters a year with continual use and in normal circumstances
Power consumption:	2,400 watt, 230 volt, 16 amp circuit
Connection:	3/8" BSP external thread
Warranty:	24 months
Weight:	45 kg
Dimensions:	64 x 45 x 47 cm (H x W x D)



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 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%.

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.

References:



**SIMPLEX
AMERICAS**

SIMPLEX AMERICAS LLC
 20 Bartles Corner Road
 Flemington, New Jersey 08822 USA
 P: 1-908-237-9099 | F: 1-908-237-9503
 info@simplexamericas.com
 www.simplexamericas.com