

# Total Purity Solutions

## Oil Condition Monitoring



Ocean Team Qatar works with a partner laboratory certified under ISO 17025 to support different customers doing oil analysis diagnosis. Ocean Team Qatar has a specialised and trained team performing the lube and transformer oil sampling as per customer request, both onshore and offshore, and recommend action plans based on oil sample reports.

**Ocean Team Qatar, along with their partner laboratory, can provide the below oil analysis for:**

### Fluid condition:

- Viscosity
- Acid Numb
- Ruler
- Foam
- Varnish
- RPVOT

### Contaminants:

- Water
- ISO Code ( Particle count 4 $\mu$ , 6 $\mu$ , and 14 $\mu$ )
- Sodium
- Potassium
- Silicon
- Silver
- Lithium
- Aluminum

### Additives:

- Baron
- Zinc
- Magnesium
- Barium
- Sulfur
- Phosphorus
- Calcium

### Wear metals:

- Tin
- Lead
- Copper
- Vanadium
- Iron
- Chromium
- Molybdenum
- Nickel
- Manganese
- Titanium
- Cadmium



## Contamination Filtration / Removal

Ocean Team Qatar provides different contamination filtration / removal by using specialist filtration equipment such as:

- Online / Offline filtration skid for particles filtration.
- Water separation and filtration unit for water removal.
- Electrophysical Separation Process (ESP) unit for soluble and insoluble varnish filtration.
- ESP unit and Boost VR for soluble and insoluble varnish removal.



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## Oil Flushing



Ocean Team Qatar possesses the technical capabilities that allow them to perform oil flushing faster than their competitors and meeting the customer's requirements. Ocean Team Qatar provides different oil flushing types such as:

- **Hot oil flushing:** Oil to be used for flushing is heated to the specified temperature.
- **High velocity flushing:** An uninterrupted flushing using high flow flushing skid to pump oil through the piping at a specific flow rate to achieve the optimal Reynolds Number.
- **Pulsation flushing:** Exposing the flushing oil to pulses, caused by sudden but controlled compression, in order to create sound waves. This will result in an even higher Reynolds number in the pipe system.

## FLUSHING IN HALF THE TIME

## Oil Enhancement

Ocean Team Qatar is the authorised distributor of Fluitec's products in Qatar since 2016. In order to reduce wasted oil, costs and to increase oil quality, Ocean Team Qatar provides different "fill for life" solutions, such as:

### BOOST AO

Boost AO is a proprietary technology created to replace depleted antioxidants in the oil - replenishing bad chemistry with good chemistry.



### Infinity TO 32/46

Prolong the useful life of the turbine oil and also extend indefinitely the life of the machine, by preventing varnish and deposits formation.



### DECON™

With patent pending technology, DECON both decontaminates systems and provides deposit control to prevent any further deposits.

- Cleans deposits like Boost VR.
- Prevents any future deposit from forming.
- Can be kept in the oil for a longer time.



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**Ocean Team**  
Total Purity Solutions  
A **Petrotec** Company

## Offshore Chemical Cleaning

Ocean Team Qatar has developed equipment, methods and technologies that efficiently clean a wide variety of systems, including produced water, closed cooling water, seawater cooling, flow lines, drains, pipes, vessels, coolers, heat exchangers, wellhead X-trees etc.

- On-line cleaning technology.
- A controlled process based on meticulous measurement of the contamination type.
- Preservation of pipes and equipment.



## Pressure Vessel Cleaning

Ocean Team Qatar has developed procedures and risk assessments for safe confined space entry cleaning of pressure vessels such as inlet separators, test separators, hazardous and non-hazardous drain tanks, etc.

- Our fleet of Ex-proof specialised equipment is suitable for offshore space limitations.
- Our workforce is well trained in confined space entry requirements and have extensive experience in offshore pressure vessel cleaning.



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