

# FSTO Turbine Lube Oil Varnish Removal

Ideal for maintenance of small turbine lube oil & compressor reservoirs



Prevent varnish related servo valve failures on small gas turbines and compressor lube oil applications (ie gas transmission compressor units)

Remove & prevent varnish deposits with ICB element technology (Ion Charge Bonding)

Achieve & maintain MPC value < 20 (lower varnish potential)

Lower ISO codes to 14/12/9 with high efficiency post filter element

Extend life of anti-oxidant additives & prevent premature oil replacement

## ICB & VTM, the 1, 2 varnish removal punch

ICB removes the soluble varnishing building oxidation by-products at the molecular level reversing the process of varnish deposits while VTM removes the gross insoluble by-products for a more rapid reduction in varnish potential.

### Fluid Compatibility

Mineral based turbine oils and specified synthetic Fluids with R&O additive package (non-zinc AW). *NOT for use on AW type hydraulic oils, contact Hy-Pro for fluid compatibility & selection.*

### Suitable Operating Temperature Range

90°F/32°C (minimum) to 160°F/71°C (maximum)  
Operating below minimum can result in reduced acid and metal ion removal efficiency

**Warning:** Do not operate above max temperature 160°F/71°C. Contact factory to add pre-cooler before ICB media (operating temp required).

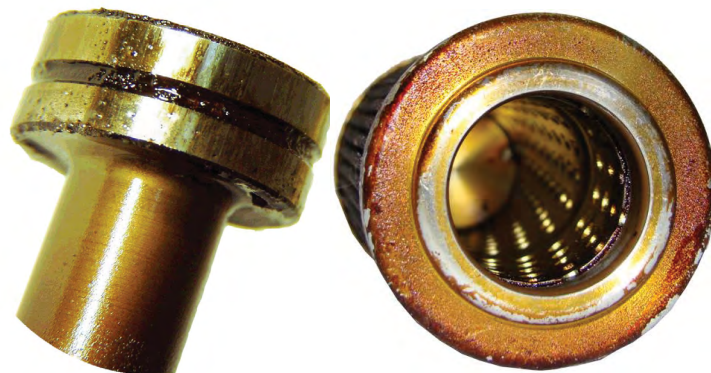
## High Contamination Fluid Recovery

For systems with high acid number, excessive gel / sludge buildup or extremely high water contact Hy-Pro for rapid fluid recovery solutions.

### Fluid Condition Based Solutions

From a sample of in-service oil and system details we will help you specify and implement a fluid contamination solution to achieve reliable operation and extend useful fluid life.

We know how to stop lube oil varnish before it stops you!



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