



ICB™ FILTER PRODUCT BULLETIN

Industry leading lubricant filtration and purification technology with unmatched performance in motion demanding assets



OVERVIEW

ICB™ filters are manufactured with one goal in mind, to remove the dissolved oxidation molecules that accumulate and cause mechanical problems in bearings, seals and servo valves. Based on ion exchange technology, these filters are engineered work horses, combining best in class chemistry and materials with precision robotic welding, to provide the most robust and highest performing filter available. With so many benefits beyond acid and particulate removal, ICB filters offer a step change in oil performance, protecting system reliability and production.

ICB FILTER FEATURES AND BENEFITS

- Industry leading ion exchange filters that offer unmatched performance in the removal of acids, varnish and dissolved oxidation molecules responsible for:
 - o slow or sticking servo valves
 - o bearing deposits
 - o bearing failures
 - o other mechanical issues that would otherwise result in production losses
- Removes the underlying cause of varnish and removes existing deposits by restoring fluid solubility, shifting chemical equilibrium back towards original fluid condition
- 100% effective under normal turbine operating conditions when varnish is dissolved in the oil
- Restores fluid's electrical properties protecting mechanical components
- Create stability within lubricant and fluid systems, mitigating premature deterioration
- Complete stainless-steel construction featuring robotic, spiral welding which provides maximum filter integrity
 - o Filter pressure tested to 150 psid
- Compatible with EHC fluids and turbine lubricants

THERE IS MORE TO AN ICB FILTER THAN WHAT MEETS THE EYE

1000'S OF GLOBAL INSTALLATIONS TO DATE

OVER 100 MILLION HOURS OF OPERATING PERFORMANCE HISTORY ON SOME OF THE LARGEST POWER STATIONS AND MOTION-INTENSIVE APPLICATIONS WORLDWIDE

\$100 MILLION IN SAVINGS ACHIEVED BY TC ENERGY



Rethink. Remove. Restore.

ICB FILTER MEDIA

While originally developed for phosphate ester lubricants back in 1992, EPT Clean Oil has expanded the capabilities of ICB filters to accommodate a wide range of lubricants and additive types.

ICB A Filter	ICB C Filter	ICB J Filter	ICB V Filter
<p>Phosphate ester, fire-resistant lubricants inclusive of: Fyrquel®, Fyrquel® EHC, Fyrquel® EHC Plus, Fyrquel® GT, Reolube® TurboFluid 46 XC, Reolube® TurboFluid B, Anvol® 46 XC, Shell Turbo® Fluid DR 46, Mobil Pyrotec® HFD 46 and many others</p>	<p>Polyol ester fluids including QuintoLubric®</p>	<p>Polyol ester lubricants used in aero derivative jet engines including Mobil Jet® II</p>	<p>Mineral oil based turbine and compressor lubricants</p>

PACKAGING

Available in standard sized filter cartridges or as part of a complete lubricant or fluid treatment system



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