## 100% CAT FINES PROTECTION



- Existing Ships Multiple Centrifuges & Auto Filters cannot protect Diesel Engines from Catastrophic Abrasive Failures
- ONLY an additional 5 micron, depth fuel filter can provide 100% Protection from Cat Fines.
- ONLY an additional 5 micron, depth fuel filter can provide
  2,000 hours of service life (without any attention).
- ONLY an additional 5 micron, depth fuel filter has been trial proven to be 100% Protective for low speed diesel engines for 20 years of continuous service.
- ONLY an additional 5 micron, depth fuel filter has been Certified by ABS.
- Typical 30 Micron Auto Filter (candles) have little or no effect on Cat Fines (Det Norske Veritas Petroleum Service)
- Typical Auto Filters, used before main engines, have 30 micron (candles) filtration (Det Norske Veritas Petroleum Service).
- To Prevent low speed diesel engine wear, Cat Fines above 5 microns must be removed (Det Norske Veritas Petroleum Service).
- To Prevent low speed diesel engine wear, Cat Fines above
  5 microns must be removed (Sulzer Diesel)
- To Prevent low speed diesel engine wear, Cat Fines above
  5 microns must be removed (Mobil Oil Co).

These Unique, 5 Micron, Depth Fuel Filters <u>will pay back the low</u> <u>initial cost</u>, by greatly reducing typical component maintenance costs;

- Increase Injection Pump Life by 200%
- Increase Fuel Injector Life by 200%.
- Reduce High Wear Rate of Turbocharger Nozzle Rings.
- Increase Turbocharger Turbine Side Cleaning Interval
- Reduce Lube Oil Contamination

This Cat Fines Fuel Filter is the only low cost, static unit that has a 20 year, trial proven, 100% Protection for Low Speed Diesel Engines operating on Marine Heavy Fuel Oils.



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