



## CASE STUDY

CUSTOMER

MEXICAN NAVY

LOCATION

MEXICO / MAR 2014

EQUIPMENT

ARM ESCOBEDO NAVAL SHIP

APPLICATION

ENGINE OIL

PROVEN  
RESULTSENGINE  
COMPONENTS  
PROTECTED

“The One Eye Industries magnetic filter proved very efficient in capturing ferrous contamination. In both the fuel and lube oil, the use of this filter will avoid problems with the injectors and mobile parts.”

-Navy Captain CG DEM, Commander of the Eighth Platoon

## CHALLENGE

Capture wear contamination missed by the naval ship's existing filtration system and prevent it from prematurely wearing on engine components such as bearings. The source of the contamination is air ingress, engine parts manufacturing, inherent wear particles in new oil, and break-in operating.

## SOLUTION

Install an OEI magnetic filter scrubber on the engine oil line to remove contamination down to sub-micron levels and protect the engine components.

## RESULTS

The magnetic filter scrubber successfully removed enough contamination to prolong the life of the engine and protect against wear particles that would otherwise cause premature engine failure.

The photo shows contamination captured from the engine lube oil after 15 minutes of operation.



ENGINE OIL CONTAMINATION  
CAPTURED IN 15 MINUTES

RECOMMENDED  
PRODUCT**MAGNETIC FILTER  
SCRUBBER**

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