

RMF Systems Case

MARINE

FUGRO

Fugro's mission is to be the world's leading service provider for the collection and interpretation of data relating to the earth's surface and sub-surface and for associated services and advice in support of infrastructure development on land, along the coast and on the seabed. Fugro provides a unique range of services and activities worldwide. These are organised in four divisions: Geotechnical, Survey, Subsea Services and Geoscience.

FUGRO MARINE SURVEY

Fugro Marine Survey involves the study, mapping and analysis of both subsea environmental conditions and ocean territories in order to better inform and help manage human activities within them. Fugro's purpose-built survey vessels, technology and experienced personnel provide a broad range of offshore services.

For the newly build survey vessels, the Searcher & Galaxy, Fugro purchased RMF Systems Smart Offline filter Units to be mounted to the central Hydraulics system. The central hydraulic system drives the deck equipment such as A-Frame and winches. Based on the positive experience on these ships the Fugro Brasilis, currently under construction, is also equipped with the Smart Offline filter.

PROJECT DESCRIPTION

On top of the hydraulic tank of the HPU a SMART Offline Filter was installed, the filter unit acts as a kidney loop continuously pumping a small amount of oil through extreme fine filters which remove both solid particles and water. In addition the filter is equipped with a Contamination Monitoring Sensor which reports oil cleanliness and water content.

The RMF monitoring unit is connected to the Ships AMS system (ALARM MONITORING SYSTEM). Any possible increase in contamination, temperature or water ingress is detected after which immediate action can be taken.

SYSTEM RELIABILITY

The Filterunit is extremely efficient and filters particles with a fineness down to 0.5 micron. This filter is also capable of removing water from the oil. The use of this filter will result in longer fluid life, less maintenance and a reduction in operating cost.



TECHNICAL DATA

Machine: Central Hydraulic system
for Deck equipment

Fluid type: Mineral Oil

Oil tank: 800ltr



Smart Off-line Units enable machine operators to keep their hydraulic oil clean and monitor contamination levels real-time in one economical installation.



SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

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