



CLEAN OIL
BRIGHT IDEAS

Bilge water Seismic System, Research Vessel

CJC™ Application Study

Application Study
written by:

Kenny Bårdsen
Øvre-Johnsen AS
Norway

2008



CUSTOMER

Remøy Shipping AS

Vessel: M/V "Ocean Odyssey"
Shipowner: Remøy Standby AS
Contact Person: Magne Nærø

SYSTEM

Cleaning of bilge water from machine room via bilge water separator. CJC™ OilAbsorb Filter is placed after the bilge water separator but before the Oil Discharge Monitor (ODM).

Monitor type: Heli-Sep 1000-Ocd,
Coffin World Water System

PROBLEM

The bilge water separator did not clean the bilge water sufficiently well. The Oil Discharge Monitor (ODM) gave 15 ppm alarm.

SOLUTION

CJC™ OilAbsorb Filter 38/50 applied after the bilge water separator, but before the Oil Discharge Monitor.

ECONOMY

C.C.JENSEN A/S tests show that the price for delivering 1 m³ of oily bilge water ashore is approx. 400 USD. Prior to installing this filter, an average of approx. 30-35 m³ per month were delivered on land.

ENVIRONMENT

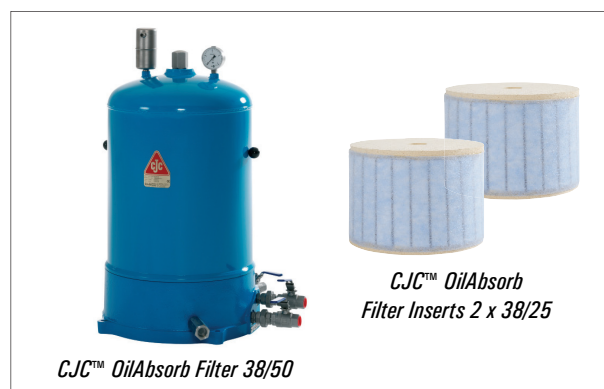
By applying the CJC™ OilAbsorb filter, Remøy Standby AS got the newest and the best filter on the market.

Generally speaking, at inspections from the harbour authorities (and particularly in the USA) vessels that have installed CJC™ Oil Absorb filters will gain great acceptance for taking environmental pollution seriously.

The CJC™ OilAbsorb Filter is also a safety filter against accidents. This filter does not let out bilge water containing more than 5 ppm and eliminates the danger of overboard outlet of oily water, regardless of the oil content. There are plenty of examples of failure in bilge water separators and oil monitors resulting in oily water being pumped into the sea. The consequences of this must be carried by the shipowner and those onboard the vessel.



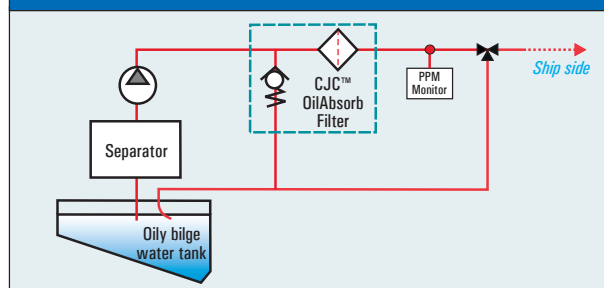
M/V "Ocean Odyssey"



CJC™ OilAbsorb Filter 38/50

CJC™ OilAbsorb
Filter Inserts 2 x 38/25

SIMPLIFIED EXAMPLE OF A MARINE INSTALLATION PRINCIPLE



COMMENTS

Arve Bjørneberg, Chief Engineer on M/V "Ocean Odyssey":

The system works very well – the ppm monitor shows less than 5 ppm most of the time. Personally, I am very pleased. Applying this filter means that we have no bilge water problems. Prior to installing this filter we delivered an average of approx. 30-35 m³ per month.

As long as we have filter inserts on board we no longer need to deliver bilge water ashore. We haven't bought particularly many inserts either. We also have an incinerator with a sludge burner that can burn waste oil, which is separated from the bilge water.

ASMA7027-UK

Work Ships
Bilge Water

07.09.2009

C.C.JENSEN A/S

Løvholmen 13 • DK-5700 Svendborg • Denmark
Phone: +45 6321 2014 • Fax: +45 6222 4615
filter@cjc.dk • www.cjc.dk