

Interim Certificate No. \_\_\_\_\_

Authorization No. \_\_\_\_\_

# CERTIFICATE OF TYPE APPROVAL FOR: OIL FILTERING EQUIPMENT (15 PPM EQUIPMENT)

### THIS IS TO CERTIFY THAT:

The equipment listed has been examined and tested in accordance with the requirements of the specifications contained in Part 1 of the Annex to the Guidelines and specifications contained in IMO resolution MEPC 60(33). This certificate is valid only for equipment referred to below.

\_\_\_\_\_  
NAME OF ADMINISTRATION

By: **Panama Maritime Documentation Services, I nc.**

Equipment supplied by: \_\_\_\_\_

under type and model designation \_\_\_\_\_

and incorporating: \_\_\_\_\_

<sup>(1)</sup> Equipment manufactured by: \_\_\_\_\_

to specification / assembly drawing no. \_\_\_\_\_ date \_\_\_\_\_

<sup>(1)</sup> Coalescer manufactured by: \_\_\_\_\_

to specification / assembly drawing no. \_\_\_\_\_

<sup>(1)</sup> Filter manufactured by: \_\_\_\_\_

to specification / assembly drawing no. \_\_\_\_\_

Control equipment manufactured by: \_\_\_\_\_

to specification / assembly drawing no. \_\_\_\_\_

Maximum throughput of system \_\_\_\_\_ m<sup>3</sup>/h \_\_\_\_\_

The Equipment has been tested with residual oil having a relative density of not less than 0.94 <sup>(1)</sup> or 0.98 <sup>(1)</sup> at 15°C. If integral feed pump is not fitted state method proposed for ensuring maximum throughput of system is not exceeded:

\_\_\_\_\_  
\_\_\_\_\_

A copy of this Certificate should be carried aboard a vessel fitted with this equipment at all times.

**Limiting Conditions Imposed:** \_\_\_\_\_

This certificate is valid until: \_\_\_\_\_, of \_\_\_\_\_ of \_\_\_\_\_  
(Day) (Month) (Year)

Issued at : \_\_\_\_\_, \_\_\_\_\_, of \_\_\_\_\_ of \_\_\_\_\_  
(Place of issue of Certificate) (Day) (Month) (Year)

\_\_\_\_\_  
Name and Signature of authorized official issuing the Certificate  
**Panama Maritime Documentation Services,**  
**I nc.**

## APPENDIX

### **TEST DATA AND RESULTS TESTS CONDUCTED ON FILTERING EQUIPMENT IN ACCORDANCE WITH PARTS 1 OF THE ANNEX TO THE GUIDELINES AND SPECIFICATIONS CONTAINED IN IMO RESOLUTION MEPC.60(33)**

Equipment manufactured by: \_\_\_\_\_

Test Location \_\_\_\_\_

Method of sample analysis: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Samples analysed at: \_\_\_\_\_

Environmental testing of the electrical and electronic sections of the equipment has been carried out in accordance with part 3 of the annex to the guidelines and specifications contained in IMO Resolution MEPC.60(33). The equipment functioned satisfactorily on completion of each test specified on the environmental test protocol

Manufacturer's recommendations and information concerning the use of cleaning agents

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

#### **CALIBRATION AND ZERO TEST**

Calibration drift \_\_\_\_\_ ppm

Zero drift \_\_\_\_\_ ppm

Test Oil (A) / (C)<sup>(1)</sup>

Relative density \_\_\_\_\_ at 15°C  
 Viscosity \_\_\_\_\_ Centistokes at 100°C  
 \_\_\_\_\_ Centistokes at 37.8°C  
 Flash Point \_\_\_\_\_ °C  
 Ash Content \_\_\_\_\_ %  
 Water content at star of test \_\_\_\_\_ %

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Test Oil (B)

Relative density \_\_\_\_\_ at 15°C  
 Viscosity \_\_\_\_\_ Centistokes at 100°C  
 \_\_\_\_\_ Centistokes at 37.8°C  
 Flash Point \_\_\_\_\_ °C  
 Ash Content \_\_\_\_\_ %  
 Water content at star of test \_\_\_\_\_ %

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Test Water

Relative density \_\_\_\_\_ at 15°C  
 Solid matter present \_\_\_\_\_

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Test Temperatures

Ambient \_\_\_\_\_ °C  
 Test Oil (A) / (C)<sup>(1)</sup> \_\_\_\_\_ °C  
 Test Oil (B) \_\_\_\_\_ °C  
 Test Water \_\_\_\_\_ °C

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Diagram of test rig attached: \_\_\_\_\_

Diagram of sampling arrangement attached: \_\_\_\_\_



