

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Pressure Vessel**with type designation(s)
Oil Separator SEP00844

Issued to

**A.S.T.R.A. REFRIGERANTI S.r.l. - AIR COM Plant
S. Pietro Mosezzo NO, Italy**is found to comply with
DNV GL rules for classification – Ships Pt.4 Ch.7 Pressure equipment**Application :****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.****Max. working temp.: 120° C
Design pressure: 1.48 MPa
Operating Medium: Air and Oil**Issued at **Høvik** on **2019-10-14**This Certificate is valid until **2024-06-30**.for **DNV GL**DNV GL local station: **Italy/Malta CMC**Approval Engineer: **Rob Oerlemans**

**Zeinab Sharifi
Head of Section**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.



Product description

Oil Separator

Design pressure: 14.8 bar
Design temperature range: 0° C to 120° C
Corrosion allowance: 1 mm
Pressure Equipment class: III

Dimensions

Outer diameter	Length	Volume
354.5 mm	1260 mm	98 L

Material:

Shell and Dish ends: P265GH (EN10028-2)
Flange and cover: P265GH (EN10028-2)
Couplings: SA106 Gr. B / P265GH (EN10216-2)
Pipes : P235GH (EN10216-2) / SA106 Gr.B
Elbow and Tee: SA234 WPB

Production test and Certification

Each oil separator is to be hydrostatic pressure tested to 1.5 times of the design pressure and be delivered with a DNV GL product certificate when required by DNV-GL Rules or by the purchaser.

Materials used shall have certificates according to DNVGL-RU-SHIP Pt.4 Ch.7 Sec.1 Table 7

Type Approval documentation

Marking of product

Each pressure vessel shall be permanently and legibly marked on the vessel or on a nameplate permanently attached to a principal pressure part to show its identity and origin.

The marking of pressure vessels shall show at least the following particulars:

- manufacturer's name and address
- type designation and serial number
- year of manufacture
- maximum allowable working pressure
- hydrostatic test pressure.

Periodical assessment

For retention of the Type Approval, a DNV GL surveyor shall perform periodical assessment after two years (+/-90 days) and after 3.5 years (+/-90 days) to verify that the conditions for the approval are complied with. Reference is made to DNVGL-CP-0338.