DNV·GL

Certificate No:
MEDB000005W

EC-TYPE EXAMINATION CERTIFICATE

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2014/93/EU, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This Certificate is issued by DNV GL AS under the authority of the Government of the Kingdom of Norway.

This is to certify:

That the Shipboard incinerators

with type designation(s)
Incinerator Types ATLAS 1500 SL P, 1500 SL M, 1500 SL B WS P, 1500 SL XL WS P, 1500 SL (B) (XL) WS M

Issued to
Atlas Incinerators A/S
Vordingborg, Denmark

is found to comply with the requirements in the following Regulations/Standards:
Annex A.1, item No. A.1/2.7 and Annex B, Module B in the Directive. Marpol 73/78 as amended, Annex VI Regulation 16, IMO Res. MEPC.244(66)

Further details of the equipment and conditions for certification are given overleaf.

Høvik, 2015-09-22
for **DNV GL AS**

This Certificate is valid until
2018-05-16

Notified Body No.: **0575**

Vidar Dolonen
Head of Department

DNV GL local office:
Copenhagen

Pål Evang Nundal
Surveyor

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Product description

The equipment is intended for installation onboard ships and other marine installations for incineration of garbage/ solid wastes and waste oil / 'sludge'.

Application/Limitation

Type ATLAS 1500 SL P/ SL M;

Calorific Capacity	1290,000 kcal/hr (1500 kW)
Solid waste	500 lr./charge
Oil sludge waste	170 l/hr

Type ATLAS 1500 SL B WS P/ SL B WS M;

Calorific Capacity	1290,000 kcal/hr (1500 kW)
Solid waste	230 kg/h
Oil sludge waste	170 l/hr

Type ATLAS 1500 SL XL WS P/ SL XL WS M;

Calorific Capacity	1290,000 kcal/hr (1500 kW)
Solid waste	230 kg/h
Oil sludge waste	170 l/hr

Type Examination documentation

Model/Type:	Dwg.No:	Rev./ Date	Title:
ATLAS 1500 SL P;	111503	090825	Dimension drawing for ATLAS 1500 SL P
	210643	090603	Refractory dwg. for ATLAS 1500
	110000	060913	Thermalcouple for funnel
	26I35002	090902	Pipe diagram for ATLAS 1500 SL P
	211115	121001	Sludge oil burner complete
	MOD340 1500 SLP 120816		Electrical diagrams for ATLAS 1500 SL P
	General Document: Technical Data for Incinerator Plant - ATLAS 1500.		
ATLAS 1500 SL M;	111524	01.09.2015	Dimension and component drawing of incinerator
	210643	Rev 1	Drawing of refractory for wall no. 3
	110000	Rev. No. 2	Thermocouple for funnel, PLC controlled
	26I30356	03.09.2015	Pipe diagram for incineration plant
	Mod340 1500 SL M	27.08.2015	Atlas 1500 SL M, Sludge oil tank S P Page 1-9, 11-14, 17, 21, 23-27, 30-35, 40, 100, 200-205, 400-403
	General document: Technical data for incineration plant: Atlas 1500		

ATLAS 1500 SL B WS P / SL XL WS P;

111504	090702	Dimension drawing for ATLAS 1500 SL WS P
111505	091214	Dimension drawing for ATLAS 1500 SL XL WS P
210643	090603	Refractory dwg. for ATLAS 1500
110000	060913	Thermalcouple for funnel
26I35003	090902	Pipe diagram for ATLAS 1500 SL WS P
211115	121001	Sludge oil burner complete
MOD340 1500 SLWSP 120816		Electrical diagrams for ATLAS 1500 SL WS P
General Document: Technical Data for Incinerator Plant - ATLAS 1500.		

Atlas 1500 SL (B) (XL) WS M;

111523	01.09.2015	Dimension and component drawing of incinerator
111525	01.09.2015	Dimension and component drawing of incinerator
210643	Rev 1	Drawing of refractory for wall no. 3
110000	Rev. No. 2	Thermocouple for funnel, PLC controlled
26I30210	Rev. 4	Pipe diagram for incineration plant
Mod340 1500 SL (B) WS M	27.08.2015	Atlas 1500 SL (B) WS M, Sludge oil tank S P Page 1-9, 11-14, 17, 21, 23-27, 30-35, 40, 100, 200-205, 400-403
Mod340 1500 SL (XL) WS M	27.08.2015	Atlas 1500 SL XL WS M, Sludge oil tank S P Page 1-9, 11-14, 17, 21, 23-27, 30-35, 40, 100, 200-205, 400-403
General document: Technical data for incineration plant: Atlas 1500		

Tests carried out

Test Reports
- DNV Copenhagen, Survey Report, Test of new PLC and horizontal exhaust, ATLAS 200 SL WSP, dated 2012-07-23.
- DNV Copenhagen, Survey Report, Test of incineration of bilge water, ATLAS 600 SL WSM, dated 2012-06-20.
- DNV Copenhagen, Verification Report, Burning test of incinerator type ATLAS 1200 SL WS, Order No. 400620,
  dated 2001-02-05
- Atlas Incinerators; Verification report, burning sludge oil with incinerator type ATLAS 1500 SLP, Serial No. 402298,
  dated 2009-09-02
- DNV Copenhagen; Assessment Checklist Fabrication – Product, dt. 2009-09-02;
  Factory/prototype test – control & safety functions (tested on 1500 SLP ref. No. 402298).

Marking of product

For traceability to this type approval, each incinerator is to be marked with:
- Manufacturers name or trade mark
- Type designation
- Serial No.

Mark of Conformity

The manufacturer is allowed to affix the Mark of Conformity according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and shall issue a Declaration of Conformity, only when the module D or E or F of Annex B in the same directive is fully complied with.

Module D: The quality system for production and testing shall be approved by the Notified Body.

Module E: The quality system for inspection and testing shall be approved by the Notified Body.

Module F: Compliance of the products to type as described in this EC Type-Examination Certificate must be verified by the Notified Body who also shall issue a Certificate of Conformity.

This certificate replaces previous EC Type-Examination Certificate No. MED-B-8377.