



Lloyd's  
Register

## Lloyd's Register EMEA (London Office)

Marine Technology & Engineering Services

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Document number 14/00030
Issue number 1

### DESIGN APPRAISAL DOCUMENT

Date 28 March 2014	Quote this reference on all future communications MTES/ENG/PAS/WP16032118/W03454848
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## LLOYD'S REGISTER TYPE APPROVAL SYSTEM, 2002.

Issued to: GALI INTERNACIONAL SA

for: AIR STARTERS FOR DIESEL AND GAS ENGINES

TYPE APPROVAL CERTIFICATE No. 14/00030

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System, 2002 and this Design Appraisal Document forms part of the Certificate.

### APPROVAL DOCUMENTATION

Request for marine Services  
Application for Type Approval form 2571  
Inspection and Surveillance of Production Facilities BBO1342015  
Management System Certificate 122912-2012-AQ-IBE-ENAC

19th July 2013  
6th June 2013  
9th October 2013  
27th September 2012

### DRAWINGS

Document no.	Rev.	Title	Date
FR-VER 02K (A48,S30,S38,)	-	Production test reports.	10/3/2014
FR-VER-22a(A17)	-	Works test reports	10/3/2014
BBO1343037	-	A17 LR test certificate	10/3/2014
A47 Air starter	-	A47 Description and technical data.	10/3/2014
BBO1343010	-	A27 LR test certificate	10/3/2014
VAL 1021035	-	A47 LR test certificate	10/3/2014
2828/29/30/31	-	A27 Production test certificates	10/3/2014
S38 Air starter		S38 Description and technical data	10/3/2014
A17 Air starter		A17 Description and technical data	10/3/2014
A27 Air starter		A27 Description and technical data	10/3/2014
A48 Air starter		A48 Description and technical data	10/3/2014
VAL 1121005	-	A47L LR test certificate	10/3/2014
S30 Air starter		S30 Description and technical data	10/3/2014

### OTHER CONDITIONS

The air starters are to be pressure tested in accordance with the Rules for Class II systems to the Surveyors satisfaction and installed in accordance with the manufacturer's instructions.



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#### Supplementary Type Approval Terms and Conditions

*Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.*

*Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.*

*Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.*

*Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.*

P.A Stanney  
Machinery Specialist  
London Design Support Services  
Lloyd's register EMEA