



Certificate No : MD00/1822/0008/1

**INDUSTEEL FRANCE, site du Creusot**  
56 rue Clemenceau - BP19  
71201  
Le Creusot Cedex  
France

has been approved as a manufacturer in accordance with the requirements of Lloyd's Register for :-

**Steel Plates**

This approval is subject to compliance with the Rules for the Manufacture, Testing and Certification of Materials. The full details of the processes and grades to which this approval applies are given in the Appendix of this certificate.

Lloyd's Register is to be notified of any change that may affect the validity of this Certificate.

This Certificate is issued to the above manufacturer and is valid until the date given below.

**Valid Until : 26 February 2018**  
**Date of Issue : 13 August 2015**

**Clive Arnold**  
Senior Metallurgical Specialist to Lloyd's Register EMEA  
A member of the Lloyd's Register group



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Appendix 1

INDUSTEEL FRANCE, site du Creusot  
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71201  
Le Creusot Cedex  
France

Plates	Normal Strength	Grades	mm thickness Maximum
Normalized	Fine Grain Al	A	100.0
Normalized	Fine Grain Al	B, D, E	150.0
Normalized	Killed	A	150.0
Plates	Higher Strength	Grades	mm thickness Maximum
Normalized	Fine Grain Al	FH32, FH36	50.0
Normalized	Fine Grain Al	AH32, AH36, DH32, DH36, EH32, EH36	150.0
Plates	Boiler & Pressure Vessel	Grades	mm thickness Maximum
Normalized	Fine Grain Al	360FG, 410FG, 460FG, 490FG	100.0
Normalized	Killed	360, 410	100.0
Plates	Ferritic Low Temperature	Grades	mm thickness Maximum
Normalized	Fine Grain Al	LTAH32, LTAH36, LTDH32, LTDH36, LTEH32, LTEH36, 1.5Ni, 3.5Ni, 5Ni, 9Ni	50.0
Plates	Austenitic Stainless	Grades	mm thickness Maximum
Solution Treated	-	304L, 316L	50.0

Plates with specified through thickness properties.

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<b>TO</b>	LR Lyon	<b>DATE</b>	13 August 2015
<b>FROM</b>	Materials and NDE	<b>YOUR REF</b>	
<b>SUBJECT</b>	<b>OUR REF</b> MAT/M1822/CAE/ <b>Scope of Approval</b> INDUSTRIEL FRANCE, site du Creusot 56 rue Clemenceau - BP19 71201 Le Creusot Cedex France		

MAKE OF APPROVED TESTING MACHINE	TYPE	MACHINE NUMBER	CAPACITY	UNIT
SCHENK TREBEL	Impact	40917	450	Joules
MOHR FEDERHAFF	Tensile	7271	60	T
ROELL & KORTHAUS	Tensile	8618	25	T
GALDABINI	Tensile	VB4G	10	T
GALDABINI	Impact	VB57	450	Joules

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