



DET NORSKE VERITAS

APPROVAL OF MANUFACTURER

CERTIFICATE

CERTIFICATE NO. AMM-6155

This is to certify that

ISD Huta Czestochowa Sp.z o.o
CZESTOCHOWA, Poland

is an approved manufacturer of
Steelmaking and Rolled Steel Products

in accordance with
Det Norske Veritas' Rules for Classification Pt. 2
Offshore Standard DNV-OS-B101

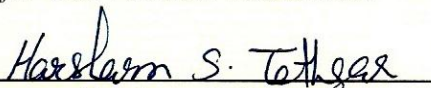
and the following particulars:

Product	Plates
Grades	Hull structural steels, see page 2 Low temperature steel, see page 2
Steelmaking	Electric Arc Furnace Continuous Casting
Deoxidation	Killed
Fine grain elements	See page 2
Delivery conditions	See page 2

Place and date

Høvik, 2013-03-14


for DET NORSKE VERITAS AS


Harsharn Tathgar
Head of Section

Local Office
DNV Katowice

This Certificate is valid until

2017-06-30


Bjørn Inge Andersen
Surveyor

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



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Particulars of the approval:

Steel Plates:

Normal Strength Steels:					
Grade or type:	Steelmaking ¹⁾ :	Fine grain treatment:	Delivery condition ²⁾ :	Max. Thickness (mm):	Z-quality:
NV A, NV B	EAF, CC	Al	AR	50	Z35
			N	75	Z35
NV D	EAF, CC	Al	N	75	Z35
NV E	EAF, CC	Al	N	50	Z35
High Strength Steels:					
Grade or type:	Steelmaking ¹⁾ :	Fine grain treatment:	Delivery condition ²⁾ :	Max. Thickness (mm):	Z-quality:
NV A32, NV D32, NV E32, NV A36, NV D36, NV E36	EAF, CC	Al+Nb	N	50	Z35
		Al+Nb+Ti	TM ³⁾	40	Z35
High Strength Steels of Improved Weldability:					
Grade or type:	Steelmaking ¹⁾ :	Fine grain treatment:	Delivery condition ²⁾ :	Max. Thickness (mm):	Z-quality:
NV AW32, NV DW32 NV EW32, NV AW36 NV DW36, NV EW36	EAF, CC	Al+Nb+Ti	TM	40	Z35
Low Temperature Steels:					
Grade or type:	Steelmaking ¹⁾ :	Fine grain treatment:	Delivery condition ²⁾ :	Max. Thickness (mm):	Z-quality:
NV 2-4	EAF, CC	Al+Nb	N	30	-

Remarks:

¹⁾ EAF: Electric Arc Furnace; CC: Continuous Casting.

²⁾ AR: As Rolled; N: Normalised; TM: Thermo-Mechanical rolling.