

	Evaluation Report Qualification of Steel Casting to NORSOK M-122		Report No.: 08
			Rev. No.: 00
Manufacturer name/address/ Web page:	SAFAS s.p.a. via Verona 23, 36077 Altavilla Vicentina (VI) Italy www.safas.it		
Reference standard	NORSOK M-122, Edition 2		
Material designation:	Structural Steel Gr. 420		
Manufacturing Summary doc. No.:	PTF 267	Rev. No.: 01	
Products and manufacturing process(es):	Sand Casting		
Mandatory conditions and sub-contractors:	Heat treatments according procedure TT07 rev.2. Normalizing and Quenching shall be carried out in SAFAS s.p.a. in Fr6; Tempering and PWHT shall be carried out in SAFAS s.p.a. in Fr6 or Fr20. Nondestructive examination shall be carried out in SAFAS s.p.a. All the test shall be carried out in RTM Breda or in SAFAS s.p.a.		
Other information:	Weld Repairs shall always be according Safas WPS 1157 for minor defects repairs, and WPS 1158 or WPS 1159 for Major defects repairs .		
Qualification expires:	/		


Tested and qualified thickness and weight

Products and manufacturing process(es):	Test record No.	Tested thickness mm	Qualified thickness mm	Test piece weight kg	Qualified weight kg
Castings, sand method		300	375	260	All

Acceptance signatures

Manufacturer: SAFAS s.p.a.	Prepared by/Date: 17/12/2015 Michela Gnesotto Quality System Dept.	Checked by/Date: 17/12/2015   Quality System Manager Ing. FRANCESCO FERRARESE SAFAS S.p.a. - Altavilla Vic.
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The manufacturer and this Report are evaluated and found to be in compliance with the requirements of NORSOK M-122 for supply of the above listed products and materials.
This acceptance does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his products within the essential variables of NORSOK M-122.

Accepted by (company name /address): Aker Solutions Aker Engineering & Technology AS PO Box 222 NO-1326 Lysaker Norway	Signature/Date:  /17.12.15 JOHN OLE GJERP
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VERIFICATION STATEMENT

FOR STEEL MATERIAL - STEEL CASTINGS FOR MACHINERY

Statement No:
N14143BC

Not valid for products (materials, components or equipment) subject to classification by DNV GL.

Particulars of Product

Product Name: Carbon Steel grade 420 as per Norsok M-122

Type designation: -

Application/context: Structural cast steel

Serial/Tag no: N.A.

The product is intended for: STOCK

Requirements are based on: according to NORSOK M-122

The product / material has been marked: **N14143BC** on:

Particulars of Vendor and Purchaser

Vendor: SAFAS SPA UNIPERSONALE

Vendor reference: 1529301

Purchaser: _____

Purchaser reference: _____

Issued at **Venice** on **2015-12-15**



for **DNV GL**

This document has been digitally signed and
will therefore not have handwritten signatures.

Triantafyllidis, Elias
Surveyor

Except for any liability caused by DNV GL's gross negligence or wilful misconduct, DNV GL's maximum cumulative liability arising out of or related to the use of or reliance on this document shall be limited to USD 300 000.

Verification extent and result

Verification extent:

Verification for the certification of SAFAS S.P.A for NORSOK M-122 (edition 2. October 2012) cast structural steel Material Grade 420.

Verification result/comments:

Satisfactory results for products up to 375 mm of thickness as relevant Norm.

Report

Witnessing the qualification process at SAFAS S.P.A promises including the following.

-Base material (test blocks 50mm and 300mm)

-Weldability (as per EN10225:2009)

-PQRs for 1157, 1158, 1159 for welding repairs. (as per ISO 15609-1, and ASME section IX)

Upon successful completion of necessary testing, Qualification Test Record No 07, Rev no 0 was reviewed and stamped.

Ref quality control plans 10, 12 for base material.

Ref quality control plan No 9 for Weldability reports

Ref. to quality control plans No 6,7,8 for the PQR.

Mechanical tests carried out at RTM Breda laboratories (except Charpy V for PQR carried out in SAFAS)

ref. RTM Breda (for weldability 16464-2015 issued at Cormano (MI) 2015-12-11.

ref RTM Breda (for base material 17952-2105 and 18077-2015 issued Carre(VI) 2015-12.11.