
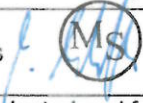



Manufacturer logo SCHMEES  cast		Qualification Test Record (QTR) NORSOK M-650			QTR. No.: 5A-S Rev. No.: 09. October 2017
Manufacturer name/address/ Web page:		Edelstahlwerke Schmees GmbH Rudolf-Diesel-Weg 6-8, 40764 Langenfeld / Germany www.schmees.com			
Reference standard		NORSOK M-650, Edition 4			
Material designation and MDS No.:		ASTM A 995 5A (UNS J93404), MDS D 56 Rev. 5			
Manufacturing Summary doc. No.:		Manufacturing summary [MS24], page 3-22			Rev. No.: 1
Products and manufacturing process(es):		impeller, diffuser, stage casing, pump casing, etc. static castings, sand moulding			
Mandatory conditions and sub-contractors:		<ul style="list-style-type: none"> tensile & impact test and micrographic examination by: TÜV Rheinland Werkstoffprüfung GmbH, Am Grauen Stein, D-51105 Köln radiographic testing by: Tecnotest mbH, Moselstr. 29, D-51371 Leverkusen pickling by: KSO Edelstahlbeizerei GmbH, Essener Str. 16, D-57234 Wilnsdorf corrosion testing by: Analytische Laboratorien GmbH, Industriepark Kaiserau, D-51789 Lindlar quality heat treatment only in furnace no. 03. 			
Other information:		<ul style="list-style-type: none"> Start of renewal 01.2017 			
Qualification expires:		Qualification expires 01.2022			
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
Stage casing	C443	120	120	267	All
Qualification/acceptance signatures					
Manufacturer:	Prepared by/Date: SCHAFFAFF, Marcus 09. October 2017		Checked by/Date: BURKELC, Wolfgang 09. October 2017		
The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 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-650.					
Qualified/Accepted by (company name /address): Aker Solutions AS Snarøyveien 20, 1360 Fornebu PO Box 222, 1326 Lysaker Norway			Signature/Date: 31/10/2017 