
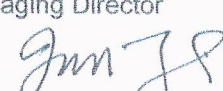


	Qualification Test Record (QTR) NORSOK M-650		QTR. No.: FWQTR995-4A
			Rev. No.: 1
Manufacturer Name/Address/Web page:	Furniss and White Foundries Ltd Unit 17, Abbey Way, North Anston Trading Estate, North Anston, Sheffield, S25 4JL www.f-w-f.co.uk		
Reference Standard	NORSOK M-650, Edition 4		
Material Designation and MDS No.:	ASTM A995 Grade 4A (UNS J92205), MDS D46 Revision 5		
Manufacturing Summary Doc. No.:	FWNP-QTR-D46-4A	Rev. No.: 1.0	
Products and Manufacturing Process(es):	Sand Castings in 22% Cr Duplex Steel by Induction Melting		
Mandatory Conditions and Sub-Contractors:	MAX REVERT 10% Processes subcontracted: <ul style="list-style-type: none"> • Pickling • Radiography • Mechanical, Charpy Impact, Corrosion, Ferrite and Microstructure Testing 		
Other Information:	Heat Treatment process upgraded with new 5.3 tonne automated furnace and quench tank. <ul style="list-style-type: none"> • Heat Treatment Procedure: FWMP-FET-HTR-D46 • Verification of Heat Treatment Procedure: FW-NVHT • Report of Verification: <ul style="list-style-type: none"> ○ F1 furnace – FWNHTVR ○ F2 furnace – FW-NVR-02 Heat Treatment Uniformity Survey: FWMP-FET-HTR-002		
Qualification Expires:	22 nd June 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
SAND CASTINGS	23432	150	150	286	Unlimited

Qualification/acceptance signatures		
Manufacturer:	Prepared by/Date: Andrew Stansfield, QA Manager  23 rd June 2017	Checked by/Date: Ian Furniss, Managing Director  23 rd June 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):		Signature/Date:
 APPROVED TORFINN HAVN <small>partner in material technology and innovation</small>		 29.06.2017