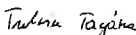


	QUALIFICATION TEST RECORD (QTR) NORSOK M-650				QTR. No.: 22Cr-22 Repliwax	
					Rev. No.: 02	
Manufacturer name/address/ Web page:	Brafe Engineering, Grundisburgh Road, Woodbridge, Suffolk, UK. IP13 6HX www.brafe.com					
Reference standard	NORSOK M-650 Ed 4					
Material designation and MDS No.:	ASTM A995 4A (J92205), MDS-D46 Rev 6					
Manufacturing summary doc. No.:	QPR-65				Rev. No.: 01	
Products and manufacturing process(es):	Repliwax Castings					
Mandatory conditions and sub-contractors:	Maximum Section Thickness of 50mm (2") with no Maximum Casting Weight Limit. Heat-Treat in Oven 3 Only (Verified by Roxspur - May 2023). All Major Weld Repairs to be Post Weld Heat Treated (PWHT'd.)					
Other information:	<u>Radiography:</u> <ul style="list-style-type: none"> • Element Materials Technology Sheffield NDT • Applied Inspection Limited, <i>Chesterfield & Burton</i> • Clarity NDT Limited, <i>Rotherham</i> <u>Material Testing:</u> <ul style="list-style-type: none"> • Element Materials Technology, <i>Middlesbrough</i> <u>Pickling:</u> <ul style="list-style-type: none"> • AST, <i>Chelmsford</i> • Transflow, <i>Motherwell</i> 					
Qualification expires:	07/08/2028					
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)	
Static Castings	22Cr-22 Repliwax	40	50	N/A	N/A	
Qualification/Acceptance Signatures:						
Manufacturer:	Prepared by/Date: T. Tulwin 26/06/2023 			Checked by/Date: K. Dean 26/06/2023 		
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. <i>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.</i>						
Qualified/Accepted by (company name/address): Sulzer Pumps (UK) Ltd Manor Mill Lane West Yorkshire LS11 8BR United Kingdom				Signature/Date:  07/08/2023		