



	<b>Qualification Test Record (QTR) NORSOK M-650 Edition 4</b>		QTR No. : M650 ED4-300mm-6A		
			Rev: 0		
Manufacturer Name/ address/ Web page:	Goodwin Steel Castings Ltd Ivy House Road, Hanley, Stoke-on-Trent, Staffordshire ST1 3NR <a href="http://www.goodwinsteelcastings.com">www.goodwinsteelcastings.com</a>				
Reference standard	Norsok M-650 Edition 4				
Material designation and MDS No:	ASTM A995 Grade 6A NORSOK M-630 MDS D56 Rev.5				
Manufacturing summary doc No:	MS-D56 Rev.5			Rev: 1	
Product and Manufacturing process:	Sand castings Electric melting followed by AOD secondary refinement				
Mandatory conditions and sub contractors:	Heat Treatment to WIP642 on Furnace no.5 Weld repairs for minor defects according to PQR 318 Weld repairs for major defects according to PQR 319 Laboratory testing for regular production by Metal Proving Services Ltd				
Other information					
Qualification Expires	July 2023				
<b>Tested and qualified Thickness and weight</b>					
<b>Product and Manufacturing processes:</b>	<b>Test record No:</b>	<b>Tested Thickness (mm)</b>	<b>Qualified thickness (mm)</b>	<b>Test Piece weight (kg)</b>	<b>Qualified weight (kg)</b>
AOD Refined	L10414, L10785, L10347, L10345, L10786	300	300	1,768	All
<b>Qualification / Acceptance signatures</b>					
Manufacturer: Goodwin Steel Castings Ltd	Prepared by/ Date: Ryan Leese / 02.07.18 		Checked by / Date: Steve Roberts / 02.07.18 		
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 with in the essential variables of NORSOK M- 650.					
3 <sup>rd</sup> Party Witness ( Company Name / address):  Lloyds Register EMEA Cunard Building, Water St, Liverpool, L3 1EG			Signature/ Date:    PRJ 11073726 .DAVID JK MORRIS.		
Qualified / Accepted by ( Company Name / address):  Equinor, Norway  			Signature/ Date:		