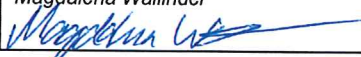



nordic flanges	Qualification Test Record NORSOK M-650 Edition 4				QTR. No.: NF ODPF51/60
					Rev. No.: 4
Manufacturer name/address/ Web page:	Nordic Flanges AB, Kavelvägen 17, 894 35 Själevad, Sweden www.nordicflanges.com				
Reference standard	Norsok M-650 Edition 4				
Material designation and MDS No.:	ASTM A 182 Gr. F51 / 60 MDS D44, Revision 5				
Manufacturing summary doc. No.:	CBHF51	Rev. No.: 4			
Products and manufacturing process(es):	Hot forged flanges ½” – 3”, forged by open die in forging press				
Mandatory conditions and sub-contractors:	<ul style="list-style-type: none"> NF may use subcontractor according to PD-09 Separate heat treatment in furnace Sarlin 100KW, 250A 				
Other information:	Qualification testing acc to approved sketch and document 091104, 120517. Heat treatment procedure verification carried out under supervision of qualifying company. Exova Karlskoga is qualified to ISO 17025. Nordic Flanges laboratory works to the principles of ISO 17025.				
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)
Die Forged flanges	H10-4808	43	48	8	16
Die Forged flanges	7150	43	48	8	16
Qualification/acceptance signatures					
Manufacturer:	Prepared by/Date:	Checked by/Date: 2016-09-26 Magdalena Wallinder 			
Remarks/Special remarks:					
<ol style="list-style-type: none"> 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. This qualification is executed and accepted by MRC Energy Piping as "Qualifying Company" solely for the supply of the above listed products to MRC Energy Piping as "Purchaser", and MRC Energy Piping assumes no liability for the use of or reliance on this qualification/ acceptance by other purchasers. In accordance with MRC Energy Piping's internal routines and procedures, the validity of the qualification/acceptance is 1 year from the initial signing of the QTR front sheet, after which the qualification/acceptance is subject to annual verification and renewal. 					
Qualified/Accepted by (company name/address):  Langarinden 16 5132 Nyborg - Norway			Initial approval date: 26.10.2012 Expiry date (annual renewal): 26.10.2017 Signature: 