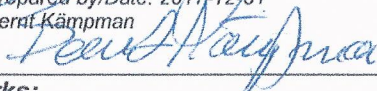



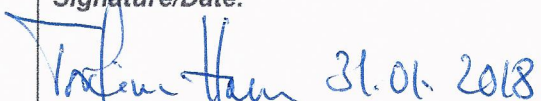
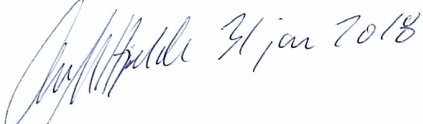
	<b>Qualification Test Record NORSOK M-650</b>				QTR. No.: NF ODPF44
					Rev. No.: 5
Manufacturer name/address/ Web page:	Nordic Flanges AB, Kavelvägen 17, 894 35 Själevad, Sweden www.nordicflanges				
Reference standard	Norsok M-650 Edition 4				
Material designation and MDS No.:	ASTM A 182 Gr. F44/UNS S31254, MDS R14, Revision 5				
Manufacturing summary doc. No.:	ODPF44				Rev. No.: 5
Products and manufacturing process(es):	Hot forged flanges ½"-3", forged by open die in forging process				
Mandatory conditions and sub-contractors:	NF may use subcontractor according to PD-09 Separate heat treatment in furnace Sarlin, 100 kW, 250A				
Other information:	Qualification testing acc to approved sketch and document 091104. 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.				
Qualification Expires:	2022-08-24				
<b>Tested and Qualified Thickness and Weight</b>					
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
<b>Qualification/acceptance signatures</b>					
Manufacturer: Nordic Flanges (NF)	Prepared by/Date: 2017-12-01 Bernt Kämpman 	Checked by/Date: 2018-01-29 Marita Sjödin 			
<b>Remarks/Special remarks:</b>					
1. 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. 2. 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:		
 <b>APPROVED</b> 			 Torfinn Haavn 31.01.2018		

partner in material technology  
and innovation



  
31 jan 2018