



**Qualification Test Record (QTR)
NORSOK M-650**

QTR.
No.:004

Rev. No.:4

Manufacturer name/address/ Web page:	ACIERIES HACHETTE ET DRIOUT 11 Avenue du général Sarrail, 52100 Saint-Dizier (France) www.ahd.fr
Reference standard	NORSOK M650, Ed4
Material designation and MDS No.:	A995 Grade4A MDS D46 rev5
Manufacturing summary doc. No.:	PSP063 Rev.9
Products and manufacturing process(es):	Steel foundry Sand moulding. Argon-Oxygen Decarburization refining process (AOD) of the New Unit 2 (NU2).
Mandatory conditions and subcontractors:	Solution HEAT TREATMENT in Furnaces FDI 2 and MGR1 Weld repairs for minor defects without PWHT according to WPS/PQR HD14/14. Weld repairs for major defects with PWHT according to WPS/PQR HD14/08. Lab Testing subcontracted to : LME (France); AUEM (France)
Other information:	Verification of qualification testing by TÜV 14/05/2014 Verification of heat treatment procedure witnessed by AKER SOLUTIONS 17/10/2019
Qualification expires :	12/2024

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
Suction Case	TÜV Reinland report 7413/20 (order number)	240	240	578	All

Qualification/acceptance signatures

Manufacturer: Acéries Hachette et Driout	Prepared by/Date: S.Lecossois	Checked by/Date: R. Tintillier
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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) Aker Solutions Fornebu, Norway NO 929 877 950 VAT	Signature/Date: / 17.10.19
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Rev 0 04/12/2014 (First edition) – Rev 1 26/01/2015 (Submittal of report to Orion and Statoil) – Rev2 27/01/2016 (comments from Orion taken into account and final submittal) – Rev3 Additional comments from Statoil taken into account and final submittal – Rev4 Qualification extension by AKER Solution 16/10/2019