



**Task – T1761414  
Offshore Mooring Chain Approval -  
Extension  
Certificate No. OMC-T1751313-1**

Attention: Olle Wandin, Ramnas Bruk AB, Sweden (WCN 102674)

The documents shown in the attached list are reviewed or filed for reference in accordance with the applicable requirements of the following and the facility is considered approved to manufacture offshore mooring chain or accessory as outlined in the process/product approval.

1. ABS Offshore Mooring Chain Guide (2017)
2. ABS Rules for Materials and Welding Part 2 (2018)

Please note it is the responsibility of the facility to inform ABS of any changes to the manufacturing parameters and request renewal of approval prior to the five year expiry date.

For any clarifications, contact James Oehrle at +1-281-877-6148, [joehrle@eagle.org](mailto:joehrle@eagle.org)

Very truly yours,

Wei-Biao (Bill) Shi  
Vice President

Electronically Signed by: Satya Meruva



Documents List

Drawing No.	Rev. No.	Title	Status
Correspondence	-	Client Request	Filed by ABS for Reference Only
Ramnas_R5_Qualification	-	Ramnas_R5_Qualification Results	Reviewed

Electronic copies of the documents, appropriately stamped are available through the ABS Eagle Construct Engineering Manager (O2E), Web portal.

Process/Product Approval

Product	Grade	Maximum Diameter	Heat Treatment Facility	Delivery Condition
Studless Chain	R3	157 mm	In-house	Quench & Tempered
Studless Chain	R3S	157 mm	In-house	Quench & Tempered
Studless Chain	R4S	92 mm	In-house	Quench & Tempered
Studless Chain	R5	92 mm	In-house	Quench & Tempered
Stud Chain	R4S	90 mm	In-house	Quench & Tempered
Stud Chain	R5	90 mm	In-house	Quench & Tempered
<b>Steel bar Manufacturer's: Ovako Imatra Oy AB, Finland (WCN 002254), Ovako AB, Hofors, Sweden (WCN 848533)</b>				
Stud Chain	R5	84 mm	In-House	Quench & Tempered
<b>Steel bar Manufacturer's: Sidenor Aceros Especiales, S.L (Basauri) (WCN 130071)</b>				

Weld repair is not permitted on offshore mooring chain or accessories.