



ACCIAIERIE BERTOLI SAFAU
VIA BUTTRIO 28,
FRAZIONE CARGNACCO,
POZZUOLO DEL FRIULI-UDINE,
33050,
ITALY

Reference: SM/MPC/sr 573978
Project Number: 2201120

ATTN: Mr. Paolo Vatri

Steel Mill Facility and Process Approval to supply bar stock for offshore mooring chain – ABS Approval of Acciaierie Bertoli Safau, Italy

We received the plant survey report TR1732082 of 23 September 2009, along with the various transmittals relevant to the subject approval, including the test data and with regard thereto we advise that Acciaierie Bertoli Safau, Italy is considered approved to produce ABS Grade Steel for offshore mooring chain manufacture as outlined below, provided the ABS Rules Part 2 (2010) and ABS guide for Certification of Offshore Mooring Chain (2009) are adhered to in all respects and all production and inspection are to the satisfaction of the local Surveyor.

Product : Bar Stock
Production : EAF (Refining: Vacuum Degassing)
Casting Process : Ingot Cast or Continuously Cast
Deoxidation Practice : Aluminium Killed
Fine Grain Practice : Aluminium and/or Vanadium and/or Niobium
Grades : R3
Diameter : up to 100 mm
Marking : AB/R3

A copy of the documentation appropriately stamped to indicate our review is being retained. The approval is valid for five years from the date of this letter. Renewal of approval is to be sought by the subject facility prior to the five year expiry date. It is the responsibility of the facility to inform ABS of any changes in manufacturing parameters. Also please note that our invoice to cover the costs of the technical review, will be subject to a separate correspondence.

Very Truly Yours

Marcus Cridland
Principal Engineer - Materials
London Engineering Department

CC: ABS Trieste
EC: ABS Houston Materials Dept.



Drawing List

Engineering Office:	London Engineering Department	
Submitter:	ACCIAIERIE BERTOLI SAFAU	
Drawing No	Revision No	Drawing Title
Incoming Correspondence	-	Email request 08 07 09
Process Description	-	Steel Mill sub 08 07 09
Additional information	-	Sub 2 01 09 09
Example control plans	-	Sub 3 08 09 09
Answers to comments	-	Email 08 09 09
Submittal 4	-	01 Oct 2009
Submittal 5	-	28 Oct 2009
Submittal 6	-	19 Nov 2009
Submittal 7	-	02 Apr 2010