

WELDING CONSUMABLE CERTIFICATE

Certificate No: PA-1749730-X

Port of: PHILADELPHIA

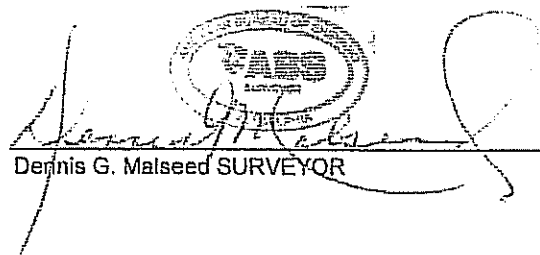
Date: 03 NOVEMBER 2009

THIS IS TO CERTIFY

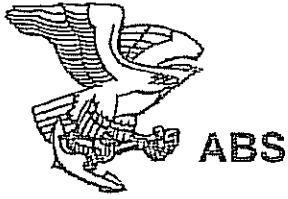
THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF TECHALLOY WELDING PRODUCTS, ATTEND THEIR PLANT AT BALTIMORE, MARYLAND, ON THE 3RD DAY OF NOVEMBER 2009, AND ON SUBSEQUENT DATES, IN ORDER TO CARRY OUT A PLANT SURVEY OF FACILITIES AND ASSOCIATED QUALITY ASSURANCE AND QUALITY CONTROL PROCEDURES AND TO WITNESS AND REPORT ON THE ANNUAL APPROVAL TESTING OF WELDING CONSUMABLES; AND,

THAT THE FACILITY IS CONSIDERED CAPABLE OF PROVIDING AN ACCEPTABLE UNIFORM PRODUCT, AND THAT EACH WELDING CONSUMABLE LISTED BELOW WAS FOUND IN COMPLIANCE WITH THE SPECIFICATION INDICATED AND IS ELIGIBLE TO BE PLACED ON THIS BUREAU'S APPROVED WELDING CONSUMABLES LIST IN THE WIRE-GAS SECTION:

<u>TRADE NAME</u>	<u>SPECIFICATION</u>	<u>GRADE OR CLASS</u>	<u>SHIELDING GAS</u>	<u>POSITION</u>	<u>CURRENT/ POLARITY</u>	<u>SIZE</u>
Techalloy 2594	AWS A5.9-06	Er 2594	Ar	ALL	dcep	1/8-0.030"
Techalloy 308	AWS A5.9-93	Er 308				0.030-3/16"
Techalloy 308L	AWS A5.9-93	Er 308L				0.030-3/16"
Techalloy 309	AWS A5.9-93	Er 309				0.030-3/16"
Techalloy 309L	AWS A5.9-93	Er 309L				0.030-3/16"
Techalloy 310	AWS A5.9-93	Er 310				0.030-3/16"
Techalloy 316	AWS A5.9-93	Er 316				0.030-3/16"
Techalloy 316L	AWS A5.9-93	Er 316L				0.030-3/16"
Techalloy 347	AWS A5.9-93	Er 347				0.030-3/16"
Techalloy 413	AWS A5.7-84R	ERCUNI				0.030-3/16"


 Dennis G. Malseed SURVEYOR

Note: This Certificate evidences compliance with one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committee, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a full description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.



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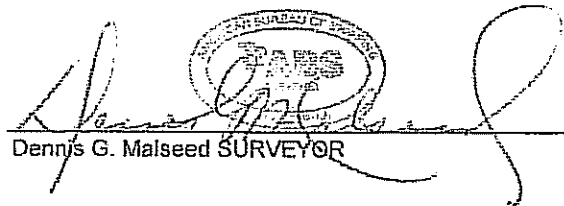
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THAT THE FACILITY IS CONSIDERED CAPABLE OF PROVIDING AN ACCEPTABLE UNIFORM PRODUCT, AND THAT EACH WELDING CONSUMABLE LISTED BELOW WAS FOUND IN COMPLIANCE WITH THE SPECIFICATION INDICATED AND IS ELIGIBLE TO BE PLACED ON THIS BUREAU'S APPROVED WELDING CONSUMABLES LIST IN THE SHIELDED METAL ARC WELDING SECTION:

<u>TRADE NAME</u>	<u>SPECIFICATION</u>	<u>GRADE OR CLASS</u>	<u>SHIELDING GAS</u>	<u>POSITION</u>	<u>CURRENT/ POLARITY</u>	<u>SIZE</u>
Tech-Rod 2594-16	AWS A5.4-06	E2594NL	N/A	ALL	ac/dcep	3/32-5/32"


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