



WELDING CONSUMABLE CERTIFICATE

Certificate No: 939275-4170200 _____

Report No: 4170200 _____

Port of Cleveland, Ohio _____

Date: 24 March 2020 _____

THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF HOBART BROTHERS LLS, ATTEND THEIR PLANT AT TROY AND PIQUA, OHIO, ON THE 1ST DAY OF OCTOBER, 2019 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 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>
Hoballoy 10018D2	AWS A5.5	E10018-D2 H4R		ALL	AC/DCEP	3/32"-1/4"
Hoballoy 11018M	AWS A5.5	E11018M H4R		ALL	DCEP	3/32"-1/4"
Hoballoy 7018A1	AWS A5.5	E7018-A1 H4R		ALL	AC/DCEP	3/32"-5/32"
Hoballoy 8018B2	AWS A5.5	E8018-B2 H4R		ALL	AC/DCEP	3/32"-3/16"
Hoballoy 8018C1	AWS A5.5	E8018-C1 H4		ALL	AC/DCEP	3/32"-3/16"
Hoballoy 8018C3	AWS A5.5	E8018-C3 H4		ALL	AC/DCEP	3/32"-3/16"
Hoballoy 9018B3	AWS A5.5	E9018-B3 H4R		ALL	AC/DCEP	3/32"-1/4"
Hoballoy 9018M	AWS A5.5	E9018-M H4R		ALL	DCEP	3/32"-1/4"
Hobart 14A	AWS A5.1	E7014		ALL	AC/DCEN	3/32"-3/16"
Hobart 24	ABS	3		F	AC/DCEN	3/32"-3/16"
Hobart 335A	AWS A5.1	E6011		ALL	AC/DCEP	3/32"-3/16"
Hobart 418	ABS	3Y H5		ALL	AC/DCEP	3/32"-1/4"
Hobart 418	AWS A5.1	E7018-1 H4R		ALL	AC/DCEP	3/32"-3/16"
Hobart 447A	AWS A5.1	E6013		ALL	AC/DCEN	3/32"-3/16"
Hobart 718MC	ABS	3Y H5		ALL	AC/DCEP	3/32"-1/4"
Hobart 718MC	AWS A5.1	E7018-1 H4R		ALL	AC/DCEP	3/32"-1/4"
Hobart 7018XLM	AWS A5.1	E7018-1 H4R		ALL*	AC/DCEP	3/32"-1/4"
*Suitable for V-Down fillet welding						
Pipemaster 70	AWS A5.5	E7010-P1		ALL	DCEP	3/32"-3/16"
Pipemaster 80	AWS A5.5	E8010-P1		ALL	DCEP	3/32"-3/16"
Pipemaster Pro 60	AWS A5.1	E6010		ALL	DCEP	3/32"-3/16"
Hobart 610	AWS A5.1	E6010		ALL	DCEP	3/32"-3/16"


Thomas Perk, 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 committees, 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 fuller 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.