

Qualification: Codes/Standards
Lloyd's Register Rule and Regulation Pt. 3. Ch 10. 2.12

Manufacturer's name Recon Propeller & Engineering Pte Ltd		WPQ certificate number SNG 9905130/02	
Address No. 15 Pioneer Sector 2 Singapore 628376		LR Office Singapore	Date 20 Apr 1999
		Welder name Tan Cheong Heang	
		Welder identification number S 2559946 B	Weld test number RPS/WP/1130/WQT-3
WPS* number RPS/WP/1130	Revision number 0	Welder's signature	
<i>The validity of this certificate expires on</i> 19 October 1999 <small>(see sheet 2 of this certificate for conditions)</small>			
		Place of test/shop or site Recon Propeller W/S	Date of test 7 April 1999

MATERIAL(S) AND WELDING DETAILS			
Materials specification, type and group Manganese Bronze		Filler type and designation Al Bronze wire, Ampco TODE 10	
Materials specification, type and group -		Shielding and purging gases 100% Argon	
Type of joint (sketch - showing dimensions)	WELD TEST DETAILS		RANGE OF APPROVAL
	WELDING PROCESS	MIG welding	
	PLATE OR PIPE (FIXED/ROTATED)	40 mm	
	JOINT TYPE	v joint	
	TEST PIECE THICKNESS (mm)	40 mm	
	PIPE OUTSIDE DIAMETER (mm)	-	
	WELDING POSITION	down hand	
	GOUGING/BACKING	gouging	
	WELDED - ONE/BOTH SIDES	both side	
	OTHER	-	

TEST RESULTS (STATE SATISFACTORY, UNSATISFACTORY OR NOT APPLICABLE)			
NON-DESTRUCTIVE TESTS		DESTRUCTIVE TESTS	
VISUAL	satisfactory	MACRO EXAMINATION	satisfactory
MAGNETIC PARTICLE	-	ROOT BEND	-
LIQUID PENETRANT	-	FACE BEND	-
RADIOGRAPHIC	-	SIDE BEND	-
ULTRASONIC	-	FILLET WELD FRACTURE	-
OTHER	-	OTHER	-

We certify that the above statements are correct and that the test pieces were prepared, welded and tested in accordance with the specified codes or standards

Organisation Recon Propeller & Engineering Pte Ltd	Surveyor to Lloyd's Register C. B. Goh
Date	Date 20 Apr 1999



**ONLY THE ORIGINAL OF THIS CERTIFICATE OR AUTHENTICATED COPIES ARE VALID AS PROOF OF WELDER QUALIFICATION
THIS CERTIFICATE REMAINS VALID ONLY WHILST THE WELDER REMAINS IN THE EMPLOY OF THE MANUFACTURER ABOVE**

*Manufacturer's Welding Procedure Specification