



NIPPON KAIJI KYOKAI

Certificate

OF

TYPE APPROVAL

Approval No. NKY-3536
Certificate No. TA21681E

Article: Welding Consumables for High Tensile Steels for Hull
Brand: LB-M55
Applicant: Kobe Steel, Ltd., Saijo Plant
Higashihiroshima, Hiroshima, Japan
Manufacturer: Kobe Steel, Ltd., Saijo Plant
Higashihiroshima, Hiroshima, Japan
Grade: KMW53Y40H10
Welding Process: Manual Welding
Welding Positions and Max. Diameter of Electrode: See Table 1
Current: AC and DCEP
Shielding Gas: Not Applicable

Table 1 Welding Positions and Max. Diameter of Electrode

Butt Weld		Fillet Weld	
Flat:	6.0mm	Flat:	6.0mm
Horizontal:	5.0mm	Horizontal Vertical:	6.0mm
Overhead:	5.0mm	Horizontal:	5.0mm
Vertical Upward:	5.0mm	Horizontal Overhead:	5.0mm
Vertical Downward:	Not Applicable	Overhead:	5.0mm
		Vertical Upward:	5.0mm
		Vertical Downward:	Not Applicable

THIS IS TO CERTIFY that the above mentioned welding consumable has been approved by the NIPPON KAIJI KYOKAI in accordance with the requirements of the Society's Rules.

This Certificate will remain in force until 7 June 2022.

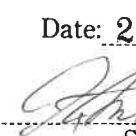

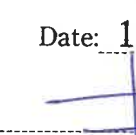

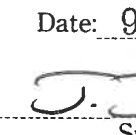

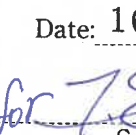

Issued at Tokyo on 8 June 2021.

Y. Takao

General Manager

Material and Equipment Department

Note : The validity of this certificate may be renewed by endorsement on the attached sheet upon completion of the annual inspections.

<p>The validity of this certificate has been renewed until <u>7 JUN. 2023</u> .</p> <p>Date: <u>28 MAR. 2023</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>
<p>The validity of this certificate has been renewed until <u>7 JUN. 2024</u> .</p> <p>Date: <u>10 FEB. 2023</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>
<p>The validity of this certificate has been renewed until <u>7 JUN. 2025</u> .</p> <p>Date: <u>9 FEB. 2024</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>
<p>The validity of this certificate has been renewed until <u>7 JUN. 2026</u> .</p> <p>Date: <u>16 MAY. 2025</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>
<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>