



NIPPON KAIJI KYOKAI

Approval No. NKY-3471
Certificate No. TA19961E

Certificate

OF TYPE APPROVAL

Article : Welding Consumables for High Tensile Steels for Hull
Brand : TL-50
Applicant : TienTai Electrode (Kunshan) Co., Ltd.
Kunshan, Jiangsu, China
Manufacturer : TienTai Electrode (Kunshan) Co., Ltd.
Kunshan, Jiangsu, China
Grade : KMW53H10
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:	4.0mm	Flat:	4.0mm
Horizontal:	4.0mm	Horizontal Vertical:	4.0mm
Overhead:	4.0mm	Horizontal:	4.0mm
		Horizontal Overhead:	4.0mm
		Overhead:	4.0mm
Vertical Upward:	4.0mm	Vertical Upward:	4.0mm
Vertical Downward:	Not Applicable	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 16 June 2020.

Issued at Tokyo on 17 June 2019.

H. Kobayashi





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

Certificate No. TA19961E

<p>The validity of this certificate has been renewed until <u>16 June 2021</u>.</p> <p>Date: <u>23 July 2020</u></p> <p> Surveyor</p>	<p>The validity of this certificate has been renewed until <u>16 June 2022</u>.</p> <p>Date: <u>18 June 2021</u></p> <p> Surveyor</p>
<p>The validity of this certificate has been renewed until <u>16 June 2022</u>.</p> <p>Date: <u>11 July 2022</u></p> <p> Surveyor</p>	<p>The validity of this certificate has been renewed until <u>16 June 2024</u>.</p> <p>Date: <u>17 July 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 _____.</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>
<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>