

# TYPE APPROVAL CERTIFICATE

## This is to certify:

**That the Flux Cored Wire/Gas combination**

with trade name  
**SF-308LK / C1**

Manufacturer

**NIPPON STEEL WELDING & ENGINEERING CO., LTD.**  
**Hikari Plant**  
**Hikari, Yamaguchi Pref., Japan**

is found to comply with

**DNV GL rules for classification – Ships**  
**DNV GL class programme DNVGL-CP-0069 – Type approval – Welding consumables**

with this approval

|                          |                                                                                  |
|--------------------------|----------------------------------------------------------------------------------|
| <b>Grade</b>             | <b>*</b>                                                                         |
| <b>Current</b>           | <b>DC(+)</b>                                                                     |
| <b>Approved diameter</b> | <b>1.2mm</b>                                                                     |
| <b>Positions</b>         | <b>All, except vertical downwards</b>                                            |
| <b>Remarks</b>           | <b>*) Consumable for welding steel grade VL 5Ni.<br/>Also for fillet welding</b> |

**Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**

Issued at **Hamburg** on **2019-07-24**

This Certificate is valid until **2024-07-23**.

DNV GL local station: **Oshima**

for **DNV GL**

Approval Engineer: **Hans-Joachim Vogt**

.....  
**Thorsten Lohmann**  
**Head of Section**

Any significant change in design or construction may render this Certificate invalid.



Form code: WELD 1421a

Revision: 2016-12

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