



Certificate No:
TAS000032M

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Brake Lining

with type designation(s)
TL2003

Issued to

Guiyang Talent Friction Material Co., Ltd.
Guiyang, Guizhou, China

is found to comply with
SAE J661 - Brake Lining Quality Test Procedure

Application :

Non-asbestos brake lining

Issued at **Hamburg** on **2021-06-23**

This Certificate is valid until **2026-06-22** .

DNV local unit: **Wuhan**

for **DNV**

Approval Engineer: **Joachim Rehbein**

.....
Thorsten Lohmann
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Form code: TA 281

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Product description

Non – asbestos woven brake lining with brass wires.

Application/Limitation

Brake lining for winches, cranes, windlasses.

Any significant changes in design and/or quality of the material will render the approval invalid.

This Type Approval certificate is not valid for designs, components, equipment, systems or products which are subject to classification by DNV.

Type Approval documentation

Tests carried out

Testing carried out according to **Type Approval documentation**.

Marking of product

Products that comply with the type approval shall be marked for traceability to the type approval.

The marking is to be carried out in such a way that it is visible, legible, and indelible. The marking of product is to enable traceability to the Type Approval Certificate.

Products shall be marked with *manufacturer's name*, *trademark* and *type designation* for traceability.

Periodical assessment

For retention of the type approval certificate, periodical assessments shall be carried out at production places by a surveyor to this Society.

Main scope of the assessment:

- verification of the production and quality control system
- review of quality control documentation of recent deliveries
- review of drawings in production to verify any design changes which may have an impact on data specified in the type approval certificate, performance and range of application
- verification of the product marking

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

This certificate is only valid if required periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in <https://approvalfinder.dnvgl.com>

Remarks

The products with type designations M9020 and MBL910 are identical to this product TL 2003.

END OF CERTIFICATE