

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00001KA**This is to certify:****That****Vitkovice Heavy Machinery A.S.
Ostrava-Vitkovice, Czech Republic**is an approved manufacturer of
Steel Forgingsin accordance with
DNV GL rules for classification – Ships

and the following particulars:

Steel type(s)	Carbon, Carbon-Manganese, Alloy
Max. weight	150 000 kg
Remarks	Including crank throws for semi-built crankshafts

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules. Materials to be applied to DNV GL classed object shall fulfill the material requirements in the applicable DNV GL class rules.

Issued at **Hamburg** on **2017-07-21**This Certificate is valid until **2020-06-30**.DNV GL local station: **Czechia**Approval Engineer: **Stefan Röhr**for **DNV GL**

Digitally Signed By: Lohmann, Thorsten

Location: DNV GL Hamburg, Germany

Signing Date: 2017-07-21

**Thorsten Lohmann
Head of Section**