

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That

Celsa Huta Ostrowiec Sp z o.o.
OSTROWIEC SWIETOKRZYSKI, Poland

is an approved manufacturer of
Steel Forgings

in accordance with
Det Norske Veritas' Rules for Classification Pt. 2
Offshore Standard DNV-OS-B101

and the following particulars:

Steel types	Carbon and carbon-manganese, Alloy
Max. weight	125 000 kg
Remarks	Including solid forged continuous grain flow crankshafts produced by the TR-method

Manufacturer approved by this certificate is accepted to deliver according to DNV GL, DNV and GL rules.

This Certificate is valid until **2019-06-30**.

Issued at **Høvik** on **2015-08-21**

DNV GL local station: **Katowice**

Approval Engineer: **Dechun Lou**



for **DNV GL**

Digitally Signed By: Gran, Terje
Location: DNV GL Høvik, Norway
Signing Date: 24.08.2015, on behalf of

Hanne Anita Hjerpetjønn
Head of Section