

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Reduction Gear for Diesel Propulsion

with type designation(s)
G30, G30F

Issued to

Finnøy Gear & Propeller AS
HARØY, Norway

is found to comply with
DNV GL rules for classification – Ships

Application :

Products approved by this certificate are accepted for installation on all vessels classed by DNV GL.

Input torque from 2387 to 5777 Nm
Input speed from 1000 to 1800 rpm
Reduction ratio from 3,05:1 to 5.15:1

Issued at **Høvik** on **2017-03-23**

This Certificate is valid until **2022-03-22**.
DNV GL local station: **Kristiansund N**

for **DNV GL**

Approval Engineer: **Geir Olav Moen**

Oddvar Deinboll
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.



Job Id: **262.1-025307-1**
Certificate No: **TAM00000G7**

Product description

Single stage reduction gear with controllable pitch servo mechanism.

Application/Limitation

The reduction gear is approved for an application factor $K_A=1.25$ and is rated as listed in the table below:

Gear Ratio	Nominal input speed [rpm]	Rating [kW]	Max. Input Torque [kNm]
3.05	1000	605	5.78
3.63	1200	555	4.42
4.04	1600	620	3.70
4.62	1800	575	3.05
5.15	1800	450	2.39

Type Approval documentation

Drawing no. _____ Rev. _____ Title _____

Marking of product

The product to be marked with the manufacturer's name or trademark and type number identification.

Other Conditions

For single propulsion plants, with the clutch as an integrated part of the reduction gearbox, the clutch is to be of such design that sufficient torque transmission can be arranged in the event of loss of hydraulic or pneumatic pressure.



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Periodical assessment

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.

END OF CERTIFICATE