NIPPON KAIJI KYOKAI

Certificate Number : 22TI005

Date : 25 February 2022

CERTIFICATE FOR APPROVAL OF MANUFACTURERS

THIS IS TO CERTIFY THAT the works of

CHORYO HIGH TECH CO.,LTD.
Nagasaki, JAPAN

have been surveyed by NIPPON KAIJI KYOKAI *for approval of the Quality Assurance System as well as Production procedures/facilities, Workmanship and Inspection/testing methods under the Rules for Approval of Manufacturers and found to be competent to produce*

Electro-Hydraulic Steering Gears

to be installed/fitted in ships classed or intended for classification with the society.
This certificate is valid until **28 February 2027** *subject to periodical surveillance.*

Approval Number : **12CLQA183**

NIPPON KAIJI KYOKAI

(Y. Iga)
General Manager of Survey Department

Note : This certificate is subject to the conditions as per attached sheet.

ClassNK

2016. 1. 1000

NIPPON KAIJI KYOKAI

Attachment to
Certificate Number 22TI005

Name of Manufacturer :

CHORYO HIGH TECH CO., LTD.

Address of Manufacturer :

2165 KAIZU-MACHI, ISAHAYA CITY, NAGASAKI, JAPAN

Articles and Approval Conditions of Products :

- Electro-Hydraulic Steering Gears
- See attached Appendix

Related Documents :

- Quality Manual (CHT-CA-0001 Rev. 28 of 19 October 2020)

- NK Assessment Record (22NS00014)

-- The End --

Appendix

35 Degree

Type	Design Pressure (MPa)	Max. Torque (kN-m)
SFC-20	25.8	226
SFC-30	27.0	314
SFC-40	27.0	441
SFC-50	26.4	520
SFC-60	26.4	618
SFC-80	22.7	706
	27.0	844
SFC-80TS	27.0	844

Type	Design Pressure (MPa)	Max. Torque (kN-m)
SF-60	22.1	520
SFT-60	26.4	618
SF-80	22.7	706
SFT-80	27.0	844
SF-125	23.3	1,030
SFT-125	27.0	1,196
SF-170	22.1	1,402
SFT-170	27.0	1,726

Type	Design Pressure (MPa)	Max. Torque (kN-m)
DF-60	22.7	510
DFT-60	27.0	608
DF-80	22.1	726
DFT-80	27.0	892
DF-125	22.1	1,030
DFT-125	26.4	1,236
DF-170	22.1	1,373
DFT-170	27.0	1,687
DF-200 DFT-200	27.0	2,030
DF-250 DFT-250	27.0	2,393
DF-300 DFT-300	27.0	2,854
DF-335 DFT-335	27.0	3,442
DF-400	23.9	3,560
DFT-400	26.4	3,923
DF-475	24.5	4,315
DFT-475	27.0	4,756
DF-530 DFT-530	26.4	5,394
DF-600	24.5	5,590
DFT-600	26.4	6,031
DF-670 DFT-670	27.0	6,721

45 Degree

Type	Design Pressure (MPa)	Max. Torque (kN-m)
SFC-40	19.0	275
	20.9	308
SFC-50	19.0	342
	20.9	355
SFC-60	19.0	422
	20.9	468
SFC-80	19.0	530
	20.9	588

Type	Design Pressure (MPa)	Max. Torque (kN-m)
SF-30	19.0	186
SFT-30	20.9	206
SF-40	19.0	275
SFT-40	20.9	304
SF-60	19.0	422
SFT-60	20.9	461
SF-80	19.0	530
SFT-80	20.9	581

Type	Design Pressure (MPa)	Max. Torque (kN-m)
DF-60	19.0	373
DFT-60	20.9	412
DF-80	19.0	549
DFT-80	20.9	608
DF-125	19.0	843
DFT-125	20.9	925
DF-170	19.0	1,059
DFT-170	20.9	1,161
DF-200	19.0	1,187
DFT-200	20.9	1,304
DF-250	18.1	1,383
DFT-250	19.6	1,500
DF-300	18.1	1,638
DFT-300	19.6	1,777
	19.6	2,006
DF-400	22.1	2,872
DFT-400		
DF-530	17.8	3,308
DFT-530	18.5	3,450
	21.2	3,507