

WARTSILA AUX

Buster Unit

- 5915272 Auramarine booster unit AMB-M 12 SS M-V Albatros 6552-6553
- 6336155 Auramarine booster unit AMB-M 07 EE

BWG

Appendix A - Drawings

- 9199185100 Test of Bilge guard for Port control administration
- 9199185200 How to download logged data from Bilgeguard
- 9199185300 Emergency running of three way valve on Bilgeguard

Appendix B - Certificates

- 9193958500 Default settings

Appendix C - Sub-suppliers instructions

- 9199186300 Oil content meter Q500 (OWS1000, 2500, 500, OWT750, 2100)

Installation

- 9165103400 Principle installation of Bilge Guard - version I
- 9165104700 Bilge Guard and M-series ver II Guard2
- 9165104700 Bilge Guard and M-series ver II Guard3
- 9165104700 Bilge Guard and M-series ver II

Operation

- 9195901800 Bilge discharge monitoring system - Bilge Guard TM

Overview

- 9199006000 Bilge guard manual version 1
- 9199006600 Bilge guard manual version 2

Spare parts and consumables

- 9165104700 Bilge Guard and M-series ver II. Principle installation of Bilge Guard

Couplings

- 491052 Vulkan flexible coupling rato S series 2100-D20283
- 5873842 Vulkan flexible coupling rato S series 2101 and 2201
- 5873851 Vulkan flexible coupling rato S series 2100 and 2200
- 5873853 Vulkan flexible coupling rato S series 2100 DOKU 1G321W00AA
- 5873859 Centa super elastic coupling system series G-R cat. CX-SEC-G-T-05-03
- 5950522 Vulkan flexible coupling 80274
- 5950525 Vulkan flexible coupling 80275
- 5950530 Vulkan rato S Couplings Alignment instructions
- 5950535 Vulkan rato S Couplings Series 2100 and 2200
- 5965371 Stromag flexible coupling E886-89
- 6021151 SKF OKC coupling
- 6021429 Stromag GE-GEF coupling 861-00387
- 6021450 Stromag GE-GEW coupling DB-860.002.4.82
- 6021455 Stromag GE-GEW coupling DB-860.002.08.88
- 6021479 Stromag GEW 861-00340-13173
- 6021482 Stromag GEW 861-00340-13184

6021497 Stromag GEW 0861-00340-13172
6409057 Centa flexible coupling D013-013 Rev4-M020-00003 Rev3
6417272 Stromag GE-GEF coupling 8610002
7277549 Vulcan flexible coupling rato S series 2100

CPP-THRUSTER

100 Thruster Control Unit

110-0001a Central Control Unit
110-0002a Central Control Unit
110-0002b Central Control Unit
110-0003a Central Control Unit
120-0001a Thruster Control Unit ECU
120-0001b Thruster Control Unit ECU
120-0001C Engine Control Unit
130-0001a Thruster Control Unit BOW
130-0001b Thruster Control Unit BOW
130-0002a Thruster Control Unit BOW
130-0003a Thruster Control Unit BOW
140-0001a Thruster Control Unit STERN
140-0001b Thruster Control Unit STERN
140-0002a Thruster Control Unit STERN
140-0003a Thruster Control Unit STERN

200 Control Station

210-0001a Bridge Control Station
210-0002a Bridge Control Station
210-0003a Bridge Control Station
220-0001a Wing Control Station PORT
220-0002a Wing Control Station PORT
220-0003a Wing Control Station PORT
230-0001a Wing Control Station STBD
230-0002a Wing Control Station STBD
230-0003a Wing Control Station STBD
240-0001a Engine Control Station
240-0002a Engine Control Station

800 Tools and Spare Parts

800-0001a Extra Spare Parts

Filters

5915277 Boll-Kirch duplex filter 2.04.5-90 145-01-09-1994
5915286 Boll-Kirch duplex filter 2.04.5-24-9-02-13132-33-34-35
5915291 Boll-Kirch duplex filter 2.06.5.4-13-1-03-13183
5915297 Boll-Kirch back flushing filter 6.61.07-15-7-99-13183
5915664 Boll-Kirch duplex filter 2.05.5-6303DT219
5955416 Boll-Kirch duplex filter 2.04.5-245540-24-9-2002
6017284 Boll-Kirch duplex filter 2.04.5.6-06.94
6017288 Boll-Kirch duplex filter 2.04.5-06.93
6017292 Boll-Kirch back flushing filter 6.46-DN80
6017298 Boll-Kirch back flushing filter 6.46-DN100

6017301 Boll-Kirch back flushing filter 6.46-DN125
6017306 Boll-Kirch back flushing filter 6.61.06-07-92-80238-80239
6017316 Boll-Kirch filter element BA-5.04

Gas Valve Unit

761-0001a GVU 1800
761-0001b GVU 1800
761-0002a Gas filter
761-0003a Filter
761-0004a GVU 1100
761-0004b GVU 1100
761-0005a Control cabinet
761-0006a Control cabinet
761-0007a GVU 1800
761-0008a GVU 1800
761-0008b GVU 1800
761-0009a Gas filter
761-0010a GVU 400
761-0011a GVU 700
761-0012a Globe valve
761-0012b Globe valve
761-0013a GVU 1800
761-0014a Globe valve
761-0015a GVU 1800

Generators

6019688 Leroy Somer generator 13130-31
6019698 Leroy Somer generator 13238-13244

GMT B230.6

7.3 Gr.003 Oil sump (fig.7.3)
7.4 Gr.007 Crankshaft oil protection (fig. 7.4)
7.5 Gr.009 Crankcase doors and cover (fig. 7.5)
7.6 Gr.011 Cylinder block (fig. 7.6)
7.7 Gr.012 Cylinder liner (fig. 7.7)
7.8 Gr.014 Cylinder head (fig. 7.8)
7.9 Gr.015 Exhaust and intake valves (fig. 7.9)
7.10 Gr.016 Rocker arms (fig. 7.10)
7.11 Gr.018 Fuel valve (fig. 7.11)
7.12 Gr.020 Gas inspection valve (fig. 7.12)
7.13 Gr.022 Starting valve (fig. 7.13)
7.14 Gr.024 Exhaust gas manifold (fig. 7.14)
7.15 Gr.025 Turbocharger and air cooler (fig. 7.15)
7.16 Gr.026 Crankshaft (fig. 7.16)
7.17 Gr.027 Vibration damper (fig. 7.17)
7.18 Gr.029 Flywheel (fig. 7.18)
7.19 Gr.030 Main connecting rod (fig. 7.19)
7.20 Gr.034 Main piston (fig. 7.20)
7.21 Gr.037 Timing system with drive (fig. 7.21)
7.22 Gr.039 Starting air distributor (fig. 7.22)

- 7.23 Gr.043 Fuel pump (fig. 7.23)
- 7.24 Gr.044 Governor with drive (fig. 7.24)
- 7.25 Gr.045 Fuel control (fig. 7.25)
- 7.26 Gr.046 Over speed governor (fig. 7.27)
- 7.27 Gr.047 Manoeuvre (fig. 7.27)
- 7.28 Gr.048 Pressure gauges and panel (fig. 7.28)
- 7.29 Gr.049 Tachometer control (fig. 7.29)
- 7.30 Gr.058 Oil filter (fig. 7.30)
- 7.31 Gr.059 - Fuel oil filter (fig. 7.31)
- 7.32 Gr.060 Oil cooler (fig. 7.32)
- 7.33 Gr.064 Pumps drive (fig. 7.33)
- 7.35 Gr.069 Oil pump (fig. 7.35)
- 7.36 Gr.070 Fuel feeding pump (fig. 7.36)
- 7.37 Gr.076 Water piping (fig. 7.37)
- 7.38 Gr.079 Oil piping (fig. 7.38)
- 7.39 Gr.080 Fuel oil piping (fig. 7.39)
- 7.40 Gr.081 Air piping (fig. 7.40)
- 7.41 Gr.082 Drain piping (fig. 7.41)
- 7.42 Gr.094 Alarm and check devices (fig. 7.42)

NOx Reducer

- 5538467 IOXI User manual DN1200
- 5540671 IOXI User manual DN1000
- 5540687 IOXI User manual DN800
- 6420198 NOx Reducer operation manual
- 6922012 NOx Reducer installation manual
- 6922039 NOx Reducer maintenance manual

Oil mist detector

- 5873836 Schaller automation oil mist detector VN115-87-VN116-87VN215-87 EMC
- 6505608 Schaller automation oil mist detector VN115-87-VN116-87-VN215-87

Plate heat exchanger

- 5915263 Alfa-Laval plate heat exchangers M3-M6-M10-TS6-T2-T5-1644725-1-502
- 5920087 APV Plate heat exchanger 1000D-GB-71219-71720-13267-13268
- 5920092 APV Plate heat exchanger 1000D-GB-N35-MGS-10E-13179
- 5925414 AMW-APV Plate heat exchanger data sheet 13121
- 5965204 APV Plate heat exchanger 1000D-GB N35-MGS-10E
- 6413917 APV Plate heat exchangers Manual-1000E-GB

Preheater

- 5915304 Elwa water preheating unit type KVE-55744-47
- 5965267 AV-pro documentatie preheater
- 6019572 AV-pro nozzle heater unit P.103.62.001
- 6019572 AV-pro nozzle heater unit P.103.62.001
- 6019581 AV-pro cooling water preheater P.688.15.002-13163-64-65
- 6019594 AV-pro cooling water preheater S.014.61.001-13184
- 6019596 AV-pro nozzle heater unit S.018.61.001-13184
- 6019604 AV-pro nozzle heating unit S014.61.001-13130-31
- 6019610 AV-pro nozzle heating unit P.688.15.01-13163-64-65

6019613 AV-pro preheater P.1439.61.001-13257-13258
6019615 AV-pro preheater P.1440.61.001-13257-13258
6407458 IBS anlagentechnik dok 7300 preheater

Pumps

5923679 Allweiler 211-2209-002
5923707 Allweiler drehstrommotoren reihe DM1-DMA2
5923713 Allweiler schraubenspindelpumpe betriebsanleitung Trilub-TRL
5923720 Allweiler Screw pumps S3F VM2083E-6.88
5923722 Allweiler Screw pumps S3F VM2083E-1.89
5965313 Imo Screw pumps ACG-UCG7 maintenance
5965321 Imo Screw pumps low pressure pumps
6019662 Imo Screw pump ACG7 description
6019672 Imo Brook WU-DA
6019675 Imo Connection diagram 9904 issue 2
6019676 Imo unitms 24549-13163-64-65-A3

Regulator

5831859 Europa 3001ZT108-non-ball head back-up actuator-2221-1G-34T-3001ZT108.pdf
5831862 Europa 3001ZT107-ball-head back-up actuator-2231-1GH-34T-3001ZT107
5831865 Europa Viking 22 digital speed control
5831873 Europa instruction manual Viking 22 DPP
5831880 Europa 3001ZT117-ball head back-up actuator 2231-1GH-34T-3001ZT117
5831884 Europa 3001ZT129-ball head back-up actuator 2231-1GH-34T-3001ZT129
5831896 Europa Instruction manual 2300-1G-60A-60G
5831904 Europa viking 25 single engine marine-PC interface manual
5831909 Europa viking 25 version 2001
5831910 Europa governor 1115-4G
5831913 Europa ball head back-up actuator 2231-1GH-34x
5831919 Europa governor 1115A-4G-34T
5832039 Europa governor 1104A-4G-34T
5832180 Woodward PGG governor 036627B
5832181 Woodward PGA governor 36604M
5832184 Woodward booster servomotor 36684K
5832186 Woodward Integral EG actuator for PG governors 36637D
5832188 Woodward 721 speed control 9905-291-381
5832190 Woodward booster servomotor 36684L
5832192 Woodward tandem proact techn. suppl. 36091A
5832197 Woodward magnetic pickups and proximity switches for electric governors 82510L
5832198 Woodward 723 digital control application manual 03562
5832261 Woodward proact III-IV electric powered actuator + driver 04127B
5832263 Woodward 721 digital control-9906-225 application manual 89382C
5832264 Woodward 721 digital control application and hardware manuals 02744A
5832266 Woodward solenoid operated SOGA V2.2 applications 04172
5832267 Woodward solenoid operated SOGA V2.2 installation operation and maintenance 0415:
5832275 Woodward solenoid operated SOGA V43 and SOGA V105 install. oper. and maintenance
5832278 Woodward 721 digital control 02743
5832280 Woodward solenoid operated SOGA V43 and SOGA V105
5832283 Woodward 723 plus propulsion control 02845D
5832286 Woodward 723 plus propulsion control B02845

5832289 Woodward 723 general control 02835B
 5832291 Woodward 721 digital control 02745A
 5832294 Woodward 723 digital control B91295
 5832295 Woodward 721 digital control B03569
 5832297 Woodward PGA-EG PGG-EG PGM-EG governor 36637C
 5832304 Woodward GVSP governor spec report
 5832307 Woodward manifold air pressure bias fuel limiter 36695D
 5832308 Woodward 723 plus propulsion control B02845
 5832310 Woodward integral EG actuator for PG governors 36637D
 5832315 Woodward EM-80-EM-300 actuator 36173B
 5832318 Woodward 723 plus generator control B91371
 5915317 Phoenix Contact configurable 3-way isolation amplifier MCR-C-UI-UI-450-DCI-NC
 5950582 Woodward PGA58EG aanvulling 8W32-PAAE149979-149980
 5950586 Woodward manifold pressure fuel limiter 03507A
 5950592 Woodward damped ballhead 03029A
 5950602 Woodward shutdown solenoid 03013R
 5950605 Woodward stepping speed adjustment 03027B
 5950613 Woodward UG40-03039A
 5950617 Woodward UG actuator 37512C
 5950634 Woodward UG actuator 37512G
 5950643 Woodward UG lever 03031
 5950646 Woodward UG lever 03036H
 5950663 Woodward UG dial 03032B
 5950672 Woodward UG dial 03040C
 5950673 Woodward UG dial 03040D
 5965281 Europa regulateurs 1115A-4G-8R
 6017331 Europa regulateur 1101-3G-3001SW190-13260
 6017341 Europa regulateur 1102-2V-4G-15L-3001SW101
 6017367 Europa regulateur 1102V-4G-25L-3001SW203-02
 6017414 Europa regulateur 1102V-4G-25L
 6017419 Europa regulateur 1104A-4G-15L-3001SW254
 6017422 Europa regulateur 1104B-4G-15L 3001SW248
 6017426 Europa regulateur 2221-1G-25
 6017434 Europa regulateur electr.control 3375-13130-31
 6017442 Europa regulateur viking 25-A0021-007
 6017444 Europa regulateur viking 25-DPP-A0020-004
 6017447 Europa regulateur viking Vision 3.0
 6017451 Europa regulateur viking 22
 6017460 Europa regulateur 1100-4G
 6397437 Europa regulateur 1100-2G
 6397439 Europa regulateur 1100-3G 1104-3G
 6409073 Heinzmann Speed Governor DG 07 001
 6409079 Heinzmann Speed Governor DG 97 014
 6437147 Europa viking 35
 6516806 Woodward PSG governor with cast iron case 37017A
 6834383 Woodward PSG governor with cast iron case 37017A

Silencers

5915309 JTK power silencers doc 4ES0061-13-10-2005
 5955497 JTK power silencers doc 4ES0061-5-5-2010

Spirovent

5915333 Spirovent Air Steel 78 27 05 00

Start motor

5874079 Ingersol-rand engine starting system form P6921 serie ST700

6019683 Ingersol starting engine SS815-SS825 and SS850-P6567

Tools

5915299 Chrismarine valve grinding machines type 75H and 150S

5915313 Messtechnik Beawert handheld charge amplifier HLV94

5915338 Teledyne air driven hydraulic pump model S-216-J

Valves

5915320 Pleiger electrical motor drive MOV-81 MOV-S-81 MOV-3-81

5965354 Plieger 362mc manual controller-control valves MOV-3-81-dimension EK-414-PT-100

6019710 Pleiger 3 way valves 20900366-980217

Vibration Demper

5873884 Geislinger vibration damper type D4-21 GB187

5874057 Geislinger vibration damper type D80-23-1

5874060 Geislinger vibration damper type D120-6

5874062 Geislinger vibration damper type D110-63

5874066 Wartsila torsional vibration monitor EM30

WECS 2000

5915341 Wartsila WECS 2000-9651

5915345 Wartsila WECS 2000-9634

WEnCoM manual

5915352 Wartsila WEnCoM manual