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|----------|----------|-----------|-------------------------------|--------|--------|--------|
| 06-06-21 | 19:55:01 | CBA1238 | CBA1C BOILER 2 DO/FD PUMP | 11/ 37 | TRIP | RETURN |
| 06-06-21 | 19:57:06 | CCC5289 | STBD FO SEP.SLUDGE TK (WATER) | LAH | ALARM | ALARM |
| 06-06-21 | 19:58:28 | CCC5289 | STBD FO SEP.SLUDGE TK (WATER) | LAH | ALARM | RETURN |
| 06-06-21 | 20:02:33 | CPE1655 | TPFS 220V INSULATION FAILURE | XA | ALARM | RETURN |
| 06-06-21 | 20:03:12 | CPE1655 | TPFS 220V INSULATION FAILURE | XA | ALARM | ALARM |
| 06-06-21 | 20:04:37 | CPE1655 | TPFS 220V INSULATION FAILURE | XA | ALARM | RETURN |
| 06-06-21 | 20:05:36 | CPE1655 | TPFS 220V INSULATION FAILURE | XA | ALARM | ALARM |
| 06-06-21 | 20:07:07 | CBA6334 | BOILER 2 FAILURE | XA | ALARM | ALARM |
| 06-06-21 | 20:07:12 | CBA1D239 | CBA1D BOILER 2 DO/FD PUMP | 11/ 40 | STBYST | ALARM |
| 06-06-21 | 20:07:34 | CBA1D239 | CBA1D BOILER 2 DO/FD PUMP | 11/ 40 | STBYST | RETURN |
| 06-06-21 | 20:07:38 | CBA1C238 | CBA1C BOILER 2 DO/FD PUMP | 11/ 39 | TRIP | ALARM |
| 06-06-21 | 20:07:49 | CBA1C238 | CBA1C BOILER 2 DO/FD PUMP | 11/ 39 | TRIP | RETURN |
| 06-06-21 | 20:09:07 | CPE1655 | TPFS 220V INSULATION FAILURE | XA | ALARM | RETURN |
| 06-06-21 | 20:09:48 | GGG4217 | DE2 LO AUTO FILTER FAULT | PAH | ALARM | ALARM |
| 06-06-21 | 20:10:15 | GGG4217 | DE2 LO AUTO FILTER FAULT | PAH | ALARM | RETURN |
| 06-06-21 | 20:11:21 | CPE1655 | TPFS 220V INSULATION FAILURE | XA | ALARM | ALARM |
| 06-06-21 | 20:11:25 | CPE1655 | TPFS 220V INSULATION FAILURE | XA | ALARM | RETURN |
| 06-06-21 | 20:11:47 | CPE1655 | TPFS 220V INSULATION FAILURE | XA | ALARM | ALARM |
| 06-06-21 | 20:13:20 | CPE1655 | TPFS 220V INSULATION FAILURE | XA | ALARM | RETURN |
| 06-06-21 | 20:20:34 | DNT5573 | UNIT 2 TREATMENT TANK | 5/ 71 | OPEN | ALARM |
| 06-06-21 | 20:20:34 | DNT1069.1 | BLACK WATER UNIT 2 FAILURE | 5/110 | OPEN | RETURN |
| 06-06-21 | 20:20:39 | DNT5573 | UNIT 2 TREATMENT TANK | 5/ 71 | OPEN | RETURN |
| 06-06-21 | 20:20:56 | DNT1068.1 | BLACK WATER UNIT 1 FAILURE | 6/108 | OPEN | RETURN |
| 06-06-21 | 20:21:56 | DNT1068.1 | BLACK WATER UNIT 1 FAILURE | 6/108 | OPEN | ALARM |

ALARM LIST for RHAPSODY OF THE SEAS

WORCONTROL AUTOMATION A/S

DC2000

| Date | Time | Tagname | Tag description | Func | Value | Alarm |
|----------|----------|-----------|---------------------------------|--------|-------|--------|
| 06-06-21 | 20:23:17 | DNT1068.1 | BLACK WATER UNIT 1 FAILURE | 6/108 | OPEN | RETURN |
| 06-06-21 | 20:23:28 | SCC7000 | HI-FOG SYSTEM PRESSURE | PIAHL | HIGH | ALARM |
| 06-06-21 | 20:24:16 | DNT1068.1 | BLACK WATER UNIT 1 FAILURE | 6/108 | OPEN | ALARM |
| 06-06-21 | 20:24:39 | SCC7000 | HI-FOG SYSTEM PRESSURE | PIAHL | HIGH | RETURN |
| 06-06-21 | 20:30:18 | DNT5574.2 | FORE STBD BL.W. CLCT.TK VOLUME | QI | LOW | ALARM |
| 06-06-21 | 20:30:22 | DNT5575.2 | FORE PORT BL.W. CLCT.TK VOLUME | QI | LOW | ALARM |
| 06-06-21 | 20:32:09 | DNT5575.2 | FORE PORT BL.W. CLCT.TK VOLUME | QI | LO-LO | ALARM |
| 06-06-21 | 20:35:53 | FBT1993 | SUBS.2 115V SWBD INSULAT.FAULT | XA | ALARM | ALARM |
| 06-06-21 | 20:39:24 | FBT1993 | SUBS.2 115V SWBD INSULAT.FAULT | XA | ALARM | RETURN |
| 06-06-21 | 20:46:28 | GTT6207 | DE4 LO SEPARATOR FAULT | XA | ALARM | ALARM |
| 06-06-21 | 20:49:02 | GTT6207 | DE4 LO SEPARATOR FAULT | XA | ALARM | RETURN |
| 06-06-21 | 20:56:41 | EDA3269 | DE4 BOILER EXH.GAS OUTLET | TIAHL | LOW | ALARM |
| 06-06-21 | 20:57:44 | SNT5734.2 | POTABLE W. ST. TK 3 4 VOLUME | QI | LOW | ALARM |
| 06-06-21 | 21:03:16 | EDA3269 | DE4 BOILER EXH.GAS OUTLET | TIAHL | LOW | RETURN |
| 06-06-21 | 21:11:17 | GGG4217 | DE2 LO AUTO FILTER FAULT | PAH | ALARM | ALARM |
| 06-06-21 | 21:11:51 | GGG4217 | DE2 LO AUTO FILTER FAULT | PAH | ALARM | RETURN |
| 06-06-21 | 21:21:27 | QQQ5405 | BILGE STBD COMPRESSOR ROOM | LAH | ALARM | ALARM |
| 06-06-21 | 21:21:45 | QQQ5405 | BILGE STBD COMPRESSOR ROOM | LAH | ALARM | RETURN |
| 06-06-21 | 21:23:05 | GARB2_086 | GARBAGE SILO HIGH LEVEL | 15/ 86 | OPEN | ALARM |
| 06-06-21 | 21:24:08 | QQQ5405 | BILGE STBD COMPRESSOR ROOM | LAH | ALARM | ALARM |
| 06-06-21 | 21:25:14 | QQQ5405 | BILGE STBD COMPRESSOR ROOM | LAH | ALARM | RETURN |
| 06-06-21 | 21:27:10 | CCC5293 | PORT FO SEP.SLUDGE TK (WATER) | LAH | ALARM | ALARM |
| 06-06-21 | 21:27:24 | CCC5293 | PORT FO SEP.SLUDGE TK (WATER) | LAH | ALARM | RETURN |
| 06-06-21 | 21:30:17 | CBA6334 | BOILER 2 FAILURE | XA | ALARM | RETURN |
| 06-06-21 | 21:31:21 | DEV3030.1 | DE1 CYL.6A VALVE 1 EXH.GAS DEV. | EIA | HI-HI | ALARM |
| 06-06-21 | 21:31:29 | DEV3010.1 | DE1 CYL.1A VALVE 1 EXH.GAS DEV. | EIA | LOW | ALARM |
| 06-06-21 | 21:31:29 | DEV3011.1 | DE1 CYL.1A VALVE 2 EXH.GAS DEV. | EIA | LOW | ALARM |
| 06-06-21 | 21:31:27 | SBB4142 | DE1 HT FW INLET 2.0 BAR | PIAL | LOW | ALARM |
| 06-06-21 | 21:31:31 | DEV3030.1 | DE1 CYL.6A VALVE 1 EXH.GAS DEV. | EIA | HIGH | ALARM |
| 06-06-21 | 21:31:33 | DEV3033.1 | DE1 CYL.6B VALVE 2 EXH.GAS DEV. | EIA | HIGH | ALARM |
| 06-06-21 | 21:31:32 | EDA3030 | DE1 CYL.6A VALVE 1 EXH.GAS | TIAHH | HIGH | ALARM |
| 06-06-21 | 21:31:32 | EDA3025 | DE1 CYL.4B VALVE 2 EXH.GAS | TIAHH | IFH | ALARM |
| 06-06-21 | 21:31:32 | CRAT777 | DE1 CYL.1B VALVE 2 EXH.GAS | TIAHH | IFH | ALARM |

June 21stDE1 Broken
INTAKE VALVE

CYL A1

| | | | | | | |
|----------|----------|-----------|---------------------------------|--------|-------|--------|
| 06-06-21 | 21:31:35 | DEV3028.1 | DE1 CYL.5A VALVE 1 EXH.GAS DEV. | EIA | HIGH | ALARM |
| 06-06-21 | 21:31:34 | EDA3018 | DE1 CYL.3A VALVE 1 EXH.GAS | TIAHH | HIGH | ALARM |
| 06-06-21 | 21:31:34 | EDA3020 | DE1 CYL.3B VALVE 1 EXH.GAS | TIAHH | HIGH | ALARM |
| 06-06-21 | 21:31:34 | EDA3026 | DE1 CYL.5A VALVE 1 EXH.GAS | TIAHH | HIGH | ALARM |
| 06-06-21 | 21:31:34 | EDA3028 | DE1 CYL.5B VALVE 1 EXH.GAS | TIAHH | HIGH | ALARM |
| 06-06-21 | 21:31:34 | EDA3023 | DE1 CYL.4A VALVE 2 EXH.GAS | TIAHH | IFH | ALARM |
| 06-06-21 | 21:31:34 | EDA3027 | DE1 CYL.5A VALVE 2 EXH.GAS | TIAHH | HIGH | ALARM |
| 06-06-21 | 21:31:34 | EDA3029 | DE1 CYL.5B VALVE 2 EXH.GAS | TIAHH | IFH | ALARM |
| 06-06-21 | 21:31:34 | EDA3031 | DE1 CYL.6A VALVE 2 EXH.GAS | TIAHH | HIGH | ALARM |
| 06-06-21 | 21:31:34 | EDA3033 | DE1 CYL.6B VALVE 2 EXH.GAS | TIAHH | IFH | ALARM |
| 06-06-21 | 21:31:37 | DEV3030.1 | DE1 CYL.6A VALVE 1 EXH.GAS DEV. | EIA | HI-HI | RETURN |
| 06-06-21 | 21:31:36 | EDA3014 | DE1 CYL.2A VALVE 1 EXH.GAS | TIAHH | HIGH | ALARM |
| 06-06-21 | 21:31:36 | EDA3022 | DE1 CYL.4A VALVE 1 EXH.GAS | TIAHH | HIGH | ALARM |
| 06-06-21 | 21:31:36 | EDA3017 | DE1 CYL.2B VALVE 2 EXH.GAS | TIAHH | HIGH | ALARM |
| 06-06-21 | 21:31:36 | EDA3019 | DE1 CYL.3A VALVE 2 EXH.GAS | TIAHH | HIGH | ALARM |
| 06-06-21 | 21:31:37 | SBB4131 | DE1 LT FW INLET | PIAL | LOW | ALARM |
| 06-06-21 | 21:31:37 | EDA3016 | DE1 CYL.2B VALVE 1 EXH.GAS | TIAHH | HIGH | ALARM |
| 06-06-21 | 21:31:37 | EDA3022 | DE1 CYL.4A VALVE 1 EXH.GAS | TIAHH | IFH | ALARM |
| 06-06-21 | 21:31:37 | EDA3024 | DE1 CYL.4B VALVE 1 EXH.GAS | TIAHH | HIGH | ALARM |
| 06-06-21 | 21:31:37 | EDA3030 | DE1 CYL.6A VALVE 1 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:31:37 | EDA3021 | DE1 CYL.3B VALVE 2 EXH.GAS | TIAHH | HIGH | ALARM |
| 06-06-21 | 21:31:40 | DEV3031.1 | DE1 CYL.6A VALVE 2 EXH.GAS DEV. | EIA | HIGH | ALARM |
| 06-06-21 | 21:31:40 | DEV3033.1 | DE1 CYL.6B VALVE 2 EXH.GAS DEV. | EIA | HIGH | RETURN |
| 06-06-21 | 21:31:39 | EDA3026 | DE1 CYL.5A VALVE 1 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:31:39 | EDA3015 | DE1 CYL.2A VALVE 2 EXH.GAS | TIAHH | HIGH | ALARM |
| 06-06-21 | 21:31:39 | EDA3025 | DE1 CYL.4B VALVE 2 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:31:39 | EDA3029 | DE1 CYL.5B VALVE 2 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:31:39 | EDA3033 | DE1 CYL.6B VALVE 2 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:31:40 | APH6775 | DE1 LOAD RED. STEP 1 | YS | ALARM | ALARM |
| 06-06-21 | 21:31:40 | SBB4130 | DE1 HT FW INLET 1.5 BAR | FAL 10 | ALARM | ALARM |

ALARM LIST for RHAPSODY OF THE SEAS

NORCONTROL AUTOMATION A/S

DC2000

| Date | Time | Tagname | Tag description | Func | Value | Alarm |
|----------|----------|------------|---------------------------------|-------|-------|--------|
| 06-06-21 | 21:31:42 | DEV3012.1 | DE1 CYL.1B VALVE 1 EXH.GAS DEV. | EIA | LOW | ALARM |
| 06-06-21 | 21:31:42 | DEV3028.1 | DE1 CYL.5B VALVE 1 EXH.GAS DEV. | EIA | HIGH | ALARM |
| 06-06-21 | 21:31:42 | DEV3030.1 | DE1 CYL.6A VALVE 1 EXH.GAS DEV. | EIA | HI-HI | ALARM |
| 06-06-21 | 21:31:42 | DEV3027.1 | DE1 CYL.5A VALVE 2 EXH.GAS DEV. | EIA | HIGH | ALARM |
| 06-06-21 | 21:31:41 | EDA3018 | DE1 CYL.3A VALVE 1 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:31:41 | EDA3020 | DE1 CYL.3B VALVE 1 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:31:41 | EDA3028 | DE1 CYL.5B VALVE 1 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:31:41 | EDA3023 | DE1 CYL.4A VALVE 2 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:31:41 | EDA3025 | DE1 CYL.4B VALVE 2 EXH.GAS | TIAHH | IFH | RETURN |
| 06-06-21 | 21:31:41 | EDA3025 | DE1 CYL.4B VALVE 2 EXH.GAS | TIAHH | HIGH | ALARM |
| 06-06-21 | 21:31:41 | EDA3025 | DE1 CYL.4B VALVE 2 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:31:41 | EDA3027 | DE1 CYL.5A VALVE 2 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:31:41 | EDA3031 | DE1 CYL.6A VALVE 2 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:31:41 | PHU00841.1 | DE1 LOAD REDUCTION | 1/89 | OPEN | ALARM |
| 06-06-21 | 21:31:41 | EDA6750 | DE1 SHUT DOWN STEPI FROM ATA82 | XY 12 | ALARM | ALARM |
| 06-06-21 | 21:31:43 | DEV3013.1 | DE1 CYL.1B VALVE 2 EXH.GAS DEV. | EIA | LOW | ALARM |
| 06-06-21 | 21:31:42 | EDA3022 | DE1 CYL.4A VALVE 1 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:31:42 | EDA3017 | DE1 CYL.2B VALVE 2 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:31:42 | EDA3021 | DE1 CYL.3B VALVE 2 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:31:44 | EDA3014 | DE1 CYL.2A VALVE 1 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:31:44 | EDA3024 | DE1 CYL.4B VALVE 1 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:31:44 | EDA3019 | DE1 CYL.3A VALVE 2 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:31:45 | SBB4142 | DE1 HT FW INLET 2.0 BAR | PIAL | LOW | RETURN |
| 06-06-21 | 21:31:45 | EDA3016 | DE1 CYL.2B VALVE 1 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:31:45 | EDA3032 | DE1 CYL.6B VALVE 1 EXH.GAS | TIAHH | HIGH | ALARM |
| 06-06-21 | 21:31:45 | EDA3015 | DE1 CYL.2A VALVE 2 EXH.GAS | TIAHH | HI-HI | ALARM |

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| 06-06-21 | 21:31:45 | EDA3023 | DE1 CYL.4A VALVE 2 EXH.GAS | TIAHH | HIGH | ALARM |
| 06-06-21 | 21:31:45 | EDA3023 | DE1 CYL.4A VALVE 2 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:31:48 | DEV3017.1 | DE1 CYL.2B VALVE 2 EXH.GAS DEV. | EIA | HIGH | ALARM |
| 06-06-21 | 21:31:48 | DEV3021.1 | DE1 CYL.3B VALVE 2 EXH.GAS DEV. | EIA | HIGH | ALARM |
| 06-06-21 | 21:31:47 | EDA3032 | DE1 CYL.6B VALVE 1 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:31:49 | DEV3015.1 | DE1 CYL.2A VALVE 2 EXH.GAS DEV. | EIA | HIGH | ALARM |
| 06-06-21 | 21:31:49 | DEV3019.1 | DE1 CYL.3A VALVE 2 EXH.GAS DEV. | EIA | HIGH | ALARM |
| 06-06-21 | 21:31:50 | SBB4130 | DE1 HT FW INLET 1.5 BAR | FAL 10 | ALARM | RETURN |
| 06-06-21 | 21:31:52 | DEV3020.1 | DE1 CYL.3B VALVE 1 EXH.GAS DEV. | EIA | HIGH | ALARM |
| 06-06-21 | 21:31:53 | DEV3014.1 | DE1 CYL.2A VALVE 1 EXH.GAS DEV. | EIA | HIGH | ALARM |
| 06-06-21 | 21:31:53 | DEV3018.1 | DE1 CYL.3A VALVE 1 EXH.GAS DEV. | EIA | HIGH | ALARM |
| 06-06-21 | 21:31:54 | DEV3025.1 | DE1 CYL.4B VALVE 2 EXH.GAS DEV. | EIA | HIGH | ALARM |
| 06-06-21 | 21:31:56 | DEV3022.1 | DE1 CYL.4A VALVE 1 EXH.GAS DEV. | EIA | HIGH | ALARM |
| 06-06-21 | 21:31:59 | DEV3023.1 | DE1 CYL.4A VALVE 2 EXH.GAS DEV. | EIA | HIGH | ALARM |
| 06-06-21 | 21:31:57 | EDA3018 | DE1 CYL.3A VALVE 1 EXH.GAS | TIAHH | IFH | ALARM |
| 06-06-21 | 21:32:00 | SBB5081 | DE1 LT HT FW TANK | LAL | ALARM | ALARM |
| 06-06-21 | 21:32:03 | DEV3018.1 | DE1 CYL.3A VALVE 1 EXH.GAS DEV. | EIA | HIGH | RETURN |
| 06-06-21 | 21:32:04 | EDA3014 | DE1 CYL.2A VALVE 1 EXH.GAS | TIAHH | IFH | ALARM |
| 06-06-21 | 21:32:04 | EDA3020 | DE1 CYL.3B VALVE 1 EXH.GAS | TIAHH | IFH | ALARM |
| 06-06-21 | 21:32:06 | EDA3014 | DE1 CYL.2A VALVE 1 EXH.GAS | TIAHH | IFH | RETURN |
| 06-06-21 | 21:32:06 | EDA3014 | DE1 CYL.2A VALVE 1 EXH.GAS | TIAHH | HIGH | ALARM |
| 06-06-21 | 21:32:06 | EDA3014 | DE1 CYL.2A VALVE 1 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:32:06 | EDA3020 | DE1 CYL.3B VALVE 1 EXH.GAS | TIAHH | IFH | RETURN |
| 06-06-21 | 21:32:06 | EDA3020 | DE1 CYL.3B VALVE 1 EXH.GAS | TIAHH | HIGH | ALARM |
| 06-06-21 | 21:32:06 | EDA3020 | DE1 CYL.3B VALVE 1 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:32:06 | EDA3018 | DE1 CYL.3A VALVE 1 EXH.GAS | TIAHH | IFH | RETURN |
| 06-06-21 | 21:32:06 | EDA3018 | DE1 CYL.3A VALVE 1 EXH.GAS | TIAHH | HIGH | ALARM |
| 06-06-21 | 21:32:06 | EDA3018 | DE1 CYL.3A VALVE 1 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:32:06 | EDA3025 | DE1 CYL.4B VALVE 2 EXH.GAS | TIAHH | HI-HI | RETURN |
| 06-06-21 | 21:32:07 | CPE1401 | GHT10 C.B. | XY | TRIP | ALARM |
| 06-06-21 | 21:32:10 | DEV3025.1 | DE1 CYL.4B VALVE 2 EXH.GAS DEV. | EIA | HIGH | RETURN |
| 06-06-21 | 21:32:07 | EDA3016 | DE1 CYL.2B VALVE 1 EXH.GAS | TIAHH | HI-HI | RETURN |
| 06-06-21 | 21:32:07 | EDA3024 | DE1 CYL.4B VALVE 1 EXH.GAS | TIAHH | HI-HI | RETURN |
| 06-06-21 | 21:32:07 | EDA3024 | DE1 CYL.4B VALVE 1 EXH.GAS | TIAHH | HIGH | RETURN |
| 06-06-21 | 21:32:07 | EDA3026 | DE1 CYL.5A VALVE 1 EXH.GAS | TIAHH | HI-HI | RETURN |
| 06-06-21 | 21:32:07 | EDA3017 | DE1 CYL.2B VALVE 2 EXH.GAS | TIAHH | HI-HI | RETURN |

ALARM LIST for RHAPSODY OF THE SEAS

NORCONTROL AUTOMATION A/S

DC2000

| Date | Time | Tagname | Tag description | Func | Value | Alara |
|----------|----------|---------|----------------------------|-------|-------|--------|
| 06-06-21 | 21:32:07 | EDA3025 | DE1 CYL.4B VALVE 2 EXH.GAS | TIAHH | HIGH | RETURN |
| 06-06-21 | 21:32:07 | EDA3027 | DE1 CYL.5A VALVE 2 EXH.GAS | TIAHH | HI-HI | RETURN |
| 06-06-21 | 21:32:07 | EDA3029 | DE1 CYL.5B VALVE 2 EXH.GAS | TIAHH | IFH | RETURN |
| 06-06-21 | 21:32:07 | EDA3029 | DE1 CYL.5B VALVE 2 EXH.GAS | TIAHH | HIGH | ALARM |
| 06-06-21 | 21:32:07 | EDA3029 | DE1 CYL.5B VALVE 2 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:32:07 | EDA3031 | DE1 CYL.6A VALVE 2 EXH.GAS | TIAHH | HI-HI | RETURN |
| 06-06-21 | 21:32:07 | EDA3033 | DE1 CYL.6B VALVE 2 EXH.GAS | TIAHH | IFH | RETURN |
| 06-06-21 | 21:32:07 | EDA3033 | DE1 CYL.6B VALVE 2 EXH.GAS | TIAHH | HIGH | ALARM |
| 06-06-21 | 21:32:07 | EDA3033 | DE1 CYL.6B VALVE 2 EXH.GAS | TIAHH | HI-HI | ALARM |
| 06-06-21 | 21:32:09 | EDA3014 | DE1 CYL.2A VALVE 1 EXH.GAS | TIAHH | HI-HI | RETURN |
| 06-06-21 | 21:32:09 | EDA3016 | DE1 CYL.2B VALVE 1 EXH.GAS | TIAHH | HIGH | RETURN |
| 06-06-21 | 21:32:09 | EDA3018 | DE1 CYL.3A VALVE 1 EXH.GAS | TIAHH | HI-HI | RETURN |
| 06-06-21 | 21:32:09 | EDA3020 | DE1 CYL.3B VALVE 1 EXH.GAS | TIAHH | HI-HI | RETURN |
| 06-06-21 | 21:32:09 | EDA3022 | DE1 CYL.4A VALVE 1 EXH.GAS | TIAHH | HI-HI | RETURN |
| 06-06-21 | 21:32:09 | EDA3026 | DE1 CYL.5A VALVE 1 EXH.GAS | TIAHH | HIGH | RETURN |
| 06-06-21 | 21:32:09 | EDA3028 | DE1 CYL.5B VALVE 1 EXH.GAS | TIAHH | HI-HI | RETURN |
| 06-06-21 | 21:32:09 | EDA3030 | DE1 CYL.6A VALVE 1 EXH.GAS | TIAHH | HI-HI | RETURN |
| 06-06-21 | 21:32:09 | EDA3032 | DE1 CYL.6B VALVE 1 EXH.GAS | TIAHH | HI-HI | RETURN |
| 06-06-21 | 21:32:09 | EDA3015 | DE1 CYL.2A VALVE 2 EXH.GAS | TIAHH | HI-HI | RETURN |
| 06-06-21 | 21:32:09 | EDA3017 | DE1 CYL.2B VALVE 2 EXH.GAS | TIAHH | HIGH | RETURN |
| 06-06-21 | 21:32:09 | EDA3019 | DE1 CYL.3A VALVE 2 EXH.GAS | TIAHH | HI-HI | RETURN |

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|----------|----------|-----------|---------------------------------|-------|-------|--------|
| 06-06-21 | 21:32:07 | EDA3021 | DE1 CYL.3B VALVE 2 EXH.GAS | TIAHH | HI-HI | RETURN |
| 06-06-21 | 21:32:09 | EDA3023 | DE1 CYL.4A VALVE 2 EXH.GAS | TIAHH | HI-HI | RETURN |
| 06-06-21 | 21:32:09 | EDA3027 | DE1 CYL.5A VALVE 2 EXH.GAS | TIAHH | HIGH | RETURN |
| 06-06-21 | 21:32:09 | EDA3031 | DE1 CYL.6A VALVE 2 EXH.GAS | TIAHH | HIGH | RETURN |
| 06-06-21 | 21:32:12 | DEV3026.1 | DE1 CYL.5A VALVE 1 EXH.GAS DEV. | EIA | HIGH | RETURN |
| 06-06-21 | 21:32:11 | EDA3014 | DE1 CYL.2A VALVE 1 EXH.GAS | TIAHH | HIGH | RETURN |
| 06-06-21 | 21:32:11 | EDA3018 | DE1 CYL.3A VALVE 1 EXH.GAS | TIAHH | HIGH | RETURN |
| 06-06-21 | 21:32:11 | EDA3020 | DE1 CYL.3B VALVE 1 EXH.GAS | TIAHH | HIGH | RETURN |
| 06-06-21 | 21:32:11 | EDA3022 | DE1 CYL.4A VALVE 1 EXH.GAS | TIAHH | HIGH | RETURN |
| 06-06-21 | 21:32:11 | EDA3028 | DE1 CYL.5B VALVE 1 EXH.GAS | TIAHH | HIGH | RETURN |
| 06-06-21 | 21:32:11 | EDA3030 | DE1 CYL.6A VALVE 1 EXH.GAS | TIAHH | HIGH | RETURN |
| 06-06-21 | 21:32:11 | EDA3015 | DE1 CYL.2A VALVE 2 EXH.GAS | TIAHH | HIGH | RETURN |
| 06-06-21 | 21:32:11 | EDA3021 | DE1 CYL.3B VALVE 2 EXH.GAS | TIAHH | HIGH | RETURN |
| 06-06-21 | 21:32:11 | EDA3023 | DE1 CYL.4A VALVE 2 EXH.GAS | TIAHH | HIGH | RETURN |
| 06-06-21 | 21:32:11 | EDA3029 | DE1 CYL.5B VALVE 2 EXH.GAS | TIAHH | HI-HI | RETURN |
| 06-06-21 | 21:32:11 | EDA3029 | DE1 CYL.5B VALVE 2 EXH.GAS | TIAHH | HIGH | RETURN |
| 06-06-21 | 21:32:11 | EDA3033 | DE1 CYL.6B VALVE 2 EXH.GAS | TIAHH | HI-HI | RETURN |
| 06-06-21 | 21:32:11 | EDA3033 | DE1 CYL.6B VALVE 2 EXH.GAS | TIAHH | HIGH | RETURN |
| 06-06-21 | 21:32:14 | DEV3017.1 | DE1 CYL.2B VALVE 2 EXH.GAS DEV. | EIA | HIGH | RETURN |
| 06-06-21 | 21:32:14 | DEV3027.1 | DE1 CYL.5A VALVE 2 EXH.GAS DEV. | EIA | HIGH | RETURN |
| 06-06-21 | 21:32:14 | DEV3031.1 | DE1 CYL.6A VALVE 2 EXH.GAS DEV. | EIA | HIGH | RETURN |
| 06-06-21 | 21:32:12 | EDA3034 | DE1 CHARGE AIR AFTER COOLER | TIAH | HIGH | ALARM |
| 06-06-21 | 21:32:13 | APH6775 | DE1 LOAD RED. STEP 1 | XS | ALARM | RETURN |
| 06-06-21 | 21:32:15 | DEV3032.1 | DE1 CYL.6B VALVE 1 EXH.GAS DEV. | EIA | HIGH | ALARM |
| 06-06-21 | 21:32:16 | DEV3019.1 | DE1 CYL.3A VALVE 2 EXH.GAS DEV. | EIA | HIGH | RETURN |
| 06-06-21 | 21:32:17 | DEV3020.1 | DE1 CYL.3B VALVE 1 EXH.GAS DEV. | EIA | HIGH | RETURN |
| 06-06-21 | 21:32:17 | DEV3022.1 | DE1 CYL.4A VALVE 1 EXH.GAS DEV. | EIA | HIGH | RETURN |
| 06-06-21 | 21:32:15 | SBB4142 | DE1 HT FW INLET 2.0 BAR | PIAL | LOW | ALARM |
| 06-06-21 | 21:32:19 | DEV3030.1 | DE1 CYL.6A VALVE 1 EXH.GAS DEV. | EIA | HI-HI | RETURN |
| 06-06-21 | 21:32:19 | DEV3021.1 | DE1 CYL.3B VALVE 2 EXH.GAS DEV. | EIA | HIGH | RETURN |
| 06-06-21 | 21:32:16 | EDA6750 | DE1 SHUT DOWN STEP1 FROM AT482 | XY 12 | ALARM | RETURN |
| 06-06-21 | 21:32:20 | DEV3014.1 | DE1 CYL.2A VALVE 1 EXH.GAS DEV. | EIA | HIGH | RETURN |
| 06-06-21 | 21:32:20 | DEV3028.1 | DE1 CYL.5B VALVE 1 EXH.GAS DEV. | EIA | HIGH | RETURN |
| 06-06-21 | 21:32:20 | DEV3023.1 | DE1 CYL.4A VALVE 2 EXH.GAS DEV. | EIA | HIGH | RETURN |
| 06-06-21 | 21:32:20 | EDA3032 | DE1 CYL.6B VALVE 1 EXH.GAS | TIAHH | HIGH | RETURN |
| 06-06-21 | 21:32:23 | DEV3010.1 | DE1 CYL.1A VALVE 1 EXH.GAS DEV. | EIA | LOW | RETURN |
| 06-06-21 | 21:32:23 | DEV3012.1 | DE1 CYL.1B VALVE 1 EXH.GAS DEV. | EIA | LOW | RETURN |
| 06-06-21 | 21:32:23 | DEV3030.1 | DE1 CYL.6A VALVE 1 EXH.GAS DEV. | EIA | HIGH | RETURN |
| 06-06-21 | 21:32:23 | DEV3032.1 | DE1 CYL.6B VALVE 1 EXH.GAS DEV. | EIA | HIGH | RETURN |
| 06-06-21 | 21:32:23 | DEV3011.1 | DE1 CYL.1A VALVE 2 EXH.GAS DEV. | EIA | LOW | RETURN |
| 06-06-21 | 21:32:23 | DEV3013.1 | DE1 CYL.1B VALVE 2 EXH.GAS DEV. | EIA | LOW | RETURN |

ALARM LIST for ANAPSODY OF THE SEAS

NONCONTROL AUTOMATION A/S

DC2000

| Date | Time | Tagname | Tag description | Func | Value | Alarm |
|----------|----------|------------|---------------------------------|--------|-------|--------|
| 06-06-21 | 21:32:23 | DEV3015.1 | DE1 CYL.2A VALVE 2 EXH.GAS DEV. | EIA | HIGH | RETURN |
| 06-06-21 | 21:32:21 | SBB4131 | DE1 LT FW INLET | PIAL | LOW | RETURN |
| 06-06-21 | 21:32:21 | SBB4142 | DE1 HT FW INLET 2.0 BAR | PIAL | LOW | RETURN |
| 06-06-21 | 21:33:37 | PHU00841.1 | DE1 LOAD REDUCTION | 1/ 89 | OPEN | RETURN |
| 06-06-21 | 21:34:11 | EDA3034 | DE1 CHARGE AIR AFTER COOLER | TIAH | HIGH | RETURN |
| 06-06-21 | 21:36:15 | GARB228 | SHREDDER FAILURE | XA | OPEN | ALARM |
| 06-06-21 | 21:39:32 | CHM3578 | DE1 FO INLET | TIAL | LOW | ALARM |
| 06-06-21 | 21:40:54 | GARB2_086 | GARBAGE SILO HIGH LEVEL | 15/ 86 | OPEN | RETURN |
| 06-06-21 | 21:40:55 | GARB228 | SHREDDER FAILURE | XA | OPEN | RETURN |
| 06-06-21 | 21:45:54 | EDA3034 | DE1 CHARGE AIR AFTER COOLER | TIAH | HIGH | ALARM |
| 06-06-21 | 21:47:09 | SBB1148.1 | SBB4A FW HEATING PUMP STATUS | | LOCAL | ALARM |
| 06-06-21 | 21:48:25 | SBB1138.1 | SBB27A LT FW PUMP STATUS | | LOCAL | ALARM |
| 06-06-21 | 21:48:35 | CPE1646 | TPTF 440V INSULATION FAILURE | XA | ALARM | ALARM |
| 06-06-21 | 21:49:34 | CPE1646 | TPTF 440V INSULATION FAILURE | XA | ALARM | RETURN |
| 06-06-21 | 21:50:22 | ADM4745 | RISER ENGINE 1 START-DELAY | YC | ALARM | ALARM |

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|----------|----------|------------|--------------------------------|--------|-------|--------|
| 06-06-21 | 21:50:23 | APH1539 | DE1 CONTROL ON ENGINE | AI | ALARM | ALARM |
| 06-06-21 | 21:51:00 | GGG5120.1 | DE1 LO SUMP TANK | LAH | ALARM | ALARM |
| 06-06-21 | 21:55:13 | GARB122 | SENSOR FAIL SEC. CHAMBER TEMP. | XA | OPEN | RETURN |
| 06-06-21 | 21:55:25 | GARB122 | SENSOR FAIL SEC. CHAMBER TEMP. | XA | OPEN | ALARM |
| 06-06-21 | 22:00:00 | EDA3034 | DE1 CHARGE AIR AFTER COOLER | TIAH | HIGH | RETURN |
| 06-06-21 | 22:01:46 | GARB2_086 | GARBAGE SILO HIGH LEVEL | 15/ 86 | OPEN | ALARM |
| 06-06-21 | 22:02:39 | DNT5575.2 | FORE PORT BL.W. CLCT.TK VOLUME | QI | LO-LO | RETURN |
| 06-06-21 | 22:04:49 | QQQ5405 | BILGE STBD COMPRESSOR ROOM | LAH | ALARM | ALARM |
| 06-06-21 | 22:06:28 | QQQ5405 | BILGE STBD COMPRESSOR ROOM | LAH | ALARM | RETURN |
| 06-06-21 | 22:12:47 | GGG4217 | DE2 LO AUTO FILTER FAULT | PAH | ALARM | ALARM |
| 06-06-21 | 22:12:54 | SBB3379 | DE1 B BANK HT FW OUTLET | TIAH | LOW | ALARM |
| 06-06-21 | 22:13:20 | GGG4217 | DE2 LO AUTO FILTER FAULT | PAH | ALARM | RETURN |
| 06-06-21 | 22:14:48 | GARB2_086 | GARBAGE SILO HIGH LEVEL | 15/ 86 | OPEN | RETURN |
| 06-06-21 | 22:15:02 | APH6770 | DE1 SLOW TURNING BLOCKING | XS | ALARM | ALARM |
| 06-06-21 | 22:15:02 | EDA1315 | DE1 TURNING GEAR ENGAGED | XY | ALARM | ALARM |
| 06-06-21 | 22:25:34 | SBB3381 | DE1 A BANK HT FW OUTLET | TIAH | LOW | ALARM |
| 06-06-21 | 22:34:53 | AAA5020.LI | BOILER 1 LEVEL INDICATION | 10/120 | LOW | ALARM |
| 06-06-21 | 22:35:17 | AAA5020.LI | BOILER 1 LEVEL INDICATION | 10/120 | LOW | RETURN |
| 06-06-21 | 22:40:48 | SCC7001 | EN GEN. ROOM DOOR OPEN | XA | ALARM | ALARM |
| 06-06-21 | 22:40:50 | SCC7001 | EN GEN. ROOM DOOR OPEN | XA | ALARM | RETURN |
| 06-06-21 | 22:41:22 | SCC7001 | EN GEN. ROOM DOOR OPEN | XA | ALARM | ALARM |
| 06-06-21 | 22:41:24 | SCC7001 | EN GEN. ROOM DOOR OPEN | XA | ALARM | RETURN |
| 06-06-21 | 22:44:42 | GGG4215 | DE1 LO INLET 0.5 BAR | PFL 23 | ALARM | ALARM |
| 06-06-21 | 22:44:44 | GGG1126.1 | GGG23A PRELUB PUMP STATUS | | LOCAL | ALARM |
| 06-06-21 | 22:44:51 | GGG1126 | GGG23A - PRELUBRICATION PUMP | 1/100 | TRIP | ALARM |
| 06-06-21 | 22:44:59 | GGG1126 | GGG23A - PRELUBRICATION PUMP | 1/100 | TRIP | RETURN |
| 06-06-21 | 23:03:41 | CCC5289 | STBD FO SEP.SLUDGE TK (WATER) | LAH | ALARM | ALARM |
| 06-06-21 | 23:05:03 | CCC5289 | STBD FO SEP.SLUDGE TK (WATER) | LAH | ALARM | RETURN |
| 06-06-21 | 23:06:48 | GGG4211 | DE1 LO AUTO FILTER FAULT | PAH | ALARM | ALARM |
| 06-06-21 | 23:13:21 | DNT5574.2 | FORE STBD BL.W. CLCT.TK VOLUME | QI | LOW | RETURN |
| 06-06-21 | 23:14:00 | KKK4448 | DE1 STARTING AIR | PIAL | LOW | ALARM |
| 06-06-21 | 23:14:13 | GGG4217 | DE2 LO AUTO FILTER FAULT | PAH | ALARM | ALARM |
| 06-06-21 | 23:14:48 | GGG4217 | DE2 LO AUTO FILTER FAULT | PAH | ALARM | RETURN |
| 06-06-21 | 23:15:02 | DNT5574.2 | FORE STBD BL.W. CLCT.TK VOLUME | QI | LOW | ALARM |
| 06-06-21 | 23:16:31 | ILT4651.1 | FIRE MAIN PIPE | PI | HIGH | ALARM |
| 06-06-21 | 23:16:48 | QQQ5405 | BILGE STBD COMPRESSOR ROOM | LAH | ALARM | ALARM |
| 06-06-21 | 23:17:24 | QQQ5405 | BILGE STBD COMPRESSOR ROOM | LAH | ALARM | RETURN |
| 06-06-21 | 23:18:26 | EDA3167 | DE3 CYL.1A LINER 1 | TIAHH | IFL | ALARM |
| 06-06-21 | 23:18:26 | EDA3168 | DE3 CYL.1A LINER 2 | TIAHH | IFL | ALARM |
| 06-06-21 | 23:18:27 | EDA3169 | DE3 CYL.1A LINER 3 | TIAHH | IFL | ALARM |
| 06-06-21 | 23:18:49 | EDA3169 | DE3 CYL.1A LINER 3 | TIAHH | IFL | RETURN |
| 06-06-21 | 23:18:49 | EDA3167 | DE3 CYL.1A LINER 1 | TIAHH | IFL | RETURN |
| 06-06-21 | 23:18:49 | EDA3168 | DE3 CYL.1A LINER 2 | TIAHH | IFL | RETURN |
| 06-06-21 | 23:20:39 | CTT5230.2 | FO SETTLLING TK PORT VOLUME | QI | HIGH | ALARM |
| 06-06-21 | 23:25:58 | GARB1_088 | FOOD WASTE SILO LOW LEVEL | 14/ 88 | OPEN | ALARM |
| 06-06-21 | 23:26:21 | ILT4651.1 | FIRE MAIN PIPE | PI | HIGH | RETURN |
| 06-06-21 | 23:26:41 | CTT5231.2 | FO SETTLLING TK STBD VOLUME | QI | HIGH | ALARM |
| 06-06-21 | 23:29:25 | DNT5574.2 | FORE STBD BL.W. CLCT.TK VOLUME | QI | LOW | RETURN |

ALARM LIST for RHAPSODY OF THE SEAS

WORCONTROL AUTOMATION A/S

DC2000

| Date | Time | Tagname | Tag description | Func | Value | Alarm |
|----------|----------|-----------|--------------------------------|-------|-------|--------|
| 06-06-21 | 23:33:41 | ILT4651.1 | FIRE MAIN PIPE | PI | HIGH | ALARM |
| 06-06-21 | 23:34:46 | QQQ5405 | BILGE STBD COMPRESSOR ROOM | LAH | ALARM | ALARM |
| 06-06-21 | 23:35:05 | DNT5574.2 | FORE STBD BL.W. CLCT.TK VOLUME | QI | LOW | ALARM |
| 06-06-21 | 23:35:47 | QQQ5405 | BILGE STBD COMPRESSOR ROOM | LAH | ALARM | RETURN |
| 06-06-21 | 23:37:24 | DNT5575.2 | FORE PORT BL.W. CLCT.TK VOLUME | QI | LO-LO | ALARM |
| 06-06-21 | 23:38:28 | EDA3140 | DE3 CYL.1A VALVE 1 EXH.GAS | TIAHH | IFL | RETURN |
| 06-06-21 | 23:38:28 | EDA3141 | DE3 CYL.1A VALVE 2 EXH.GAS | TIAHH | IFL | RETURN |
| 06-06-21 | 23:40:30 | GARB187 | FOOD WASTE SILO LOW LEVEL | XA | OPEN | ALARM |
| 06-06-21 | 23:40:44 | QQQ5405 | DE1 ST HT FW TANK | LAH | ALARM | ALARM |