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|  | <p>HEALTH, SAFETY, ENVIRONMENT AND QUALITY MANAGEMENT SYSTEM</p> <p>74.0 SAMPLE ENTRIES – BIOFOULING RECORD BOOK</p> <p>ON THE JOB TRAINING</p> | <p>OJT : 074 Page 1 of 7 Date : 07-Nov-25 Rev : 10.1 Appr : DPA</p> |
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VESSEL : _____

DATE : _____


| SAMPLE ENTRIES FOR CODE 2.1 | | | |
|--|---------------|---|---------------------------------|
| ENTRIES AS APPLICABLE TO BE MADE AFTER EACH DRYDOCKING REFERING TO DRYDOCK REPORTS | | | |
| Date | Item (number) | Record of management actions | Signature of officers in charge |
| DD/MM/YY To DD/MM/YY | 2.1.a | Vessel drydocked at HUA RUN DA DONG SHIPYARD, CHINA. | SIGNATURE |
| DD/MM/YY | 2.1.b | Vessel was refloated | SIGNATURE |
| DD/MM/YY To DD/MM/YY | 2.1.c | <p>Ship hull and bottom, rudder and hinges were hydro blasted to WJ -2 using fresh water at 3000 PSI and painted.</p> <p>Niche areas like draft marks, block marks, bilge keel, sea chests port and stbd, sea water inlets/outlets, inlet gratings were inspected and hydro blasted to WJ -2 using fresh water at 3000 PSI and painted.</p> <p>Overboard outlets were cleaned and painted.</p> <p>Location of drydock support blocks were as per docking plan.</p> <p>Propeller shafts and intermediate shafts were dismantled, inspected and cleaned and surveyed.</p> <p>Propeller and boss were polished and surveyed.</p> <p>Rudder hinges were measured.</p> <p>Rope guard was dismantled, blasted and painted. Rope guard anodes were renewed and installed new Net Cutter.</p> <p>Stern tube seals forward and aft were replaced.</p> <p>Old sacrificial anodes were removed and new anodes installed.</p> <p>Chain locker was cleaned thoroughly to remove sediment/ living organism.</p> | SIGNATURE |

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|------------------------------------|-------|--|-----------|
| DD/MM/YY To DD/MM/YY | 2.1.d | <p>New antifouling coating system was applied on top of existing antifouling system after surface preparation.</p> <p>Type – Organotin - free self polishing type</p> <p>Name of manufacturer – CHUGOKU MARINE PAINTS PTE LTD</p> <p>Applied full antifouling coating on the ff areas;</p> <ol style="list-style-type: none"> 1. Boot Top – SEA GRANDPRIX 500M HS / RED / Thickness (wet) 183µm, Thickness (dry) 95 µm 2. Vertical Bottom – SEAFLO NEO 500Z / LIGHT RED / Thickness (wet) 155µm / Thickness (dry) 85 µm 3. Vertical Bottom – SEAFLO NEO 500Z / RED / Thickness (wet) 145µm / Thickness (dry) 80 µm 4. Flat Bottom - SEA GRANDPRIX 500M HS RED / / Thickness (wet) 183µm / Thickness (dry) 95 µm <p>Coating life – 36 months.</p> <p>Refer Antifouling certificate and paint application details for the type of anti-fouling coating system, the area and locations it was applied to and the coating thickness and expected life of coating.</p> <p>Refer VGP STATEMENT OF COMPLIANCE issued by CLASSNK</p> | SIGNATURE |
| DD/MM/YY | 2.1.e | Chief engineer (Name) | SIGNATURE |

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| SAMPLE ENTRIES FOR CODE 2.2 | | | |
|---|---------------|---|---------------------------------|
| ENTRIES AS APPLICABLE TO BE MADE WHEN HULL AREA, FITTINGS, NICHES AND VOIDS BELOW THE WATERLINE HAVE BEEN <u>INSPECTED</u> BY DIVERS: | | | |
| REFER TO DIVING COMPANY REPORT FOR MAKING ACCURATE ENTRIES | | | |
| Date | Item (number) | Record of management actions | Signature of officers in charge |
| DD/MM/YY | 2.2.a | Diving survey was arranged by company to check marine growth on ships hull, bottom and niche areas. Location – Singapore anchorage (position LAT / LONG) | SIGNATURE |
| DD/MM/YY | 2.2.b | Ships hull, vertical bottom and flat bottom below water line and all niche areas like bilge keel, draft marks , anodes propeller units like boss ,blades and shaft , rope guard , rudder including stock and post , sea water inlets/outlets, sea chests, gratings , bulbous bow , transducers , log fairings were surveyed | SIGNATURE |
| DD/MM/YY | 2.2.c | Marine growth like slime, algae, sea grass, tube worms, mussels and barnacles were observed on ship side below waterline, niche areas and on vertical and flat bottom . Refer hull inspection report provided by diving company for the extent of biofouling growth. | SIGNATURE |
| DD/MM/YY | 2.2.d | (IF HULL WAS ONLY INSPECTED AND NOT CLEANED): Company was informed regarding excess biofouling growth. Company to arrange for removal of biofouling organisms at next opportunity. | SIGNATURE |
| DD/MM/YY | 2.2.e | Refer Hull inspection report and photos /videos by diving company indicating extent of marine growth. | SIGNATURE |
| DD/MM/YY | 2.2.f | Master (Name) | SIGNATURE |


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SAMPLE ENTRIES FOR CODE 2.3


ENTRIES AS APPLICABLE TO BE MADE WHEN HULL AREA, FITTINGS, NICHES AND VOIDS BELOW THE WATERLINE HAVE BEEN CLEANED BY DIVERS:

REFER TO DIVING COMPANY REPORT FOR MAKING ACCURATE ENTRIES

| Date | Item (number) | Record of management actions | Signature of officers in charge |
|----------|---------------|---|---------------------------------|
| DD/MM/YY | 2.3.a | Cleaning of hull carried out at Singapore anchorage (position LAT / LONG) | SIGNATURE |
| DD/MM/YY | 2.3.b | Ships hull, vertical bottom and flat bottom below water line and all niche areas like bilge keel, draft marks, anodes propeller units like boss, blades and shaft, rope guard, rudder including stock and post, sea water inlets/outlets, sea chests, gratings, bulbous bow, transducers, log fairings were cleaned. Propeller was polished. | SIGNATURE |
| DD/MM/YY | 2.3.c | All marine growth were scraped and removed. Propeller was polished. Refer hull cleaning report for the methods of cleaning. | SIGNATURE |
| DD/MM/YY | 2.3.d | Refer hull cleaning report for extent of marine growth. All marine growth removed as per hull cleaning report. | SIGNATURE |
| DD/MM/YY | 2.3.e | Refer hull cleaning report and photos by diving company for the evidence of action taken. | SIGNATURE |
| DD/MM/YY | 2.3.f | Permit obtained from port authority. Also, company's permit to work complied with. | SIGNATURE |
| DD/MM/YY | 2.3.g | Master (Name) | SIGNATURE |

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| SAMPLE ENTRIES FOR CODE 2.4 | | | |
|---|---------------|--|---------------------------------|
| ENTRIES AS APPLICABLE TO BE MADE WHEN INTERNAL SEAWATER COOLING SYSTEMS HAVE BEEN INSPECTED AND CLEANED OR TREATED | | | |
| Date | Item (number) | Record of management actions | Signature of officers in charge |
| DD/MM/YY | 2.4.a | At sea in position LAT/LONG, sea water cooling systems like filters, sea chest filter , heat exchanger tubes/plates inspected. | SIGNATURE |
| DD/MM/YY | 2.4.b | Thin layer of mussels, barnacles, tubeworms, algae, slime found in seawater cooling systems during inspection. | SIGNATURE |
| DD/MM/YY | 2.4.c | All mussels, barnacles, tubeworms, algae, slime removed from the system and disposed in deep sea in position LAT/LONG | SIGNATURE |
| DD/MM/YY | 2.4.d | Barnacles from filters removed by scraping using fabricated copper tools. Mechanical cleaning using soft brush and freshwater used to clean the cooler plates | SIGNATURE |
| DD/MM/YY | 2.4.e | Refer attached photographs. | SIGNATURE |
| DD/MM/YY | 2.4.f | Chief engineer (Name) | SIGNATURE |
| SAMPLE ENTRIES FOR CODE 2.5 | | | |
| TO BE ENTERED FOR SHIPS FITTED WITH MGPS | | | |
| Date | Item (number) | Record of management actions | Signature of officers in charge |
| DD/MM/YY | 2.5.a | Maintenance of MGPS carried out. Electrical and mechanical functions of the system found satisfactory. | SIGNATURE |
| DD/MM/YY | 2.5.b | The MGPS system malfunctioned in (LAT/LONG or port name). (Mention reason for malfunction.) | SIGNATURE |
| DD/MM/YY | 2.5.b | The chief engineer /Technician carried out repairs and system found working satisfactorily (Service report to be maintained) | SIGNATURE |

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| SAMPLE ENTRIES FOR CODE 2.6 | | | |
|--|--|---------------------------------------|--|
| PERIODS OF TIME WHEN THE SHIP WAS LAID UP/INACTIVE FOR AN EXTENDED PERIOD OF | | | |
| | | PRESENTLY NOT APPLICABLE TO OUR FLEET | |

| SAMPLE ENTRIES FOR CODE 2.7 | | | |
|--|---------------|---|---------------------------------|
| PERIODS OF TIME WHEN SHIP OPERATING OUTSIDE ITS NORMAL OPERATING PROFILE | | | |
| Date | Item (number) | Record of management actions | Signature of officers in charge |
| DD/MM/YY | 2.7 a | From DATE to DATE (Number of days), the vessel was not in normal operating profile | SIGNATURE |
| DD/MM/YY | 2.7 b | Due to major break down of main engine, vessel was at repair berth in PORT NAME (LAT/LONG) to carry out repairs | SIGNATURE |

| SAMPLE ENTRIES FOR CODE 2.8 | | | |
|--|---------------|--|---------------------------------|
| IF AN OFFICIAL INSPECTION OR REVIEW OF BIOFOULING RISK IS CONDUCTED BY PORT STATE OR ANY AUTHORITY | | | |
| Date | Item (number) | Record of management actions | Signature of officers in charge |
| DD/MM/YY | 2.8 a | Port name or anchorage name (LAT /LONG) | SIGNATURE |
| | 2.8 b | New Zealand port authority inspected the vessel hull and verified documents to ensure if vessel is in compliance with New Zealand biofouling requirements. | SIGNATURE |
| | 2.8 c | No non-conformance / observations issued. Refer attached report | SIGNATURE |
| | 2.8 d | Master (Name) | SIGNATURE |

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| SAMPLE ENTRIES FOR CODE 2.9 | | | |
|---|------------------|--|---------------------------------------|
| ANY ADDITIONAL OBSERVATIONS AND GENERAL REMARKS | | | |
| WHEN HEAVING ANCHOR | | | |
| Date | Item (number) | Record of management actions | Signature of officers in charge |
| DD/MM/YY | 2.9 a | Anchors and anchor chains were rinsed using anchor wash and additional set of fire hoses when the anchor was retrieved at port (LAT /LONG) to remove organisms and sediments | SIGNATURE |
| SAMPLE ENTRIES FOR CODE 2.9 | | | |
| LONG ANCHORAGE (FOR MORE THAN 10 DAYS IN A SINGLE LOCATION) | | | |
| Date | Item (number) | Record of management actions | Signature of officers in charge |
| DD/MM/YY | 2.9 a | Vessel was at fresh water / tropical water anchorage (PORT/LAT/LONG) for 15 days awaiting berthing instructions. This may have resulted in biofouling accumulation. | SIGNATURE |