

ENGINEERS LOG BOOK

OPERATOR Sea Star, LLC. SS E.J. FARO VOYAGE NO 174 N PASSAGE FROM SAN JUAN, PR TO JACKSONVILLE, FL DATE (TO NOON OF) 7/19/15

Table with columns for TIME, SHAFT, Make-up Meters, PORT MAIN BOILERS, PORT&STBD, and STBD MAIN BOILER. Includes sub-sections for PRESSURES, TEMPERATURES, FUEL OIL BURNERS, and BOILERS.

Table with columns for TIME, CONDENSER, CIRC. PUMP, COND PUMP, CONDENSATE, DEAERATOR, FEED PUMP, and DISTILLING PLANT. Includes sub-sections for PRESSURES, TEMPERATURES, and various pump/valve readings.

Table with columns for TIME, TURBINES, and MAIN TURBO GENERATOR. Includes sub-sections for HI DRESS, CROSSOVER, EXTRACTION BEFORE VALVES, GENERATOR, TURBINE, and LUBE OIL.

Table with columns for TIME, L.P. STEAM GENERATOR, FUEL OIL, and LUBRICATION. Includes sub-sections for PRESS, TEMP, METER, SERVICE PUMP PRESS, TEMPERATURES, and various pump/valve readings.

Table with columns for TIME, COMBUSTION AIR (PORT BOILER), COMBUSTION AIR (STBD BOILER), BOILER CHEMISTRY, INVENTORIES, TANKS SOUNDINGS (TONS), and HP METER.

Table with columns for Chlorides, REMARKS, and PERFORMANCE DATA (TODAY ONLY). Includes sections for AT SEA, IN HARBOR, and various performance metrics like STEAMING TIME, DETENTION TIME, etc.



ENGINEERS LOG BOOK

OPERATOR Sea Star, LLC. SS EL FARO VOYAGE NO 174 N PASSAGE FROM SAN JUAN, PR TO JACKSONVILLE, FL DATE (TO NOON OF) 7/20/15

Table with columns for TIME, SHAFT, Make-up Meters, PORT MAIN BOILERS, PORT&STBD, and STBD MAIN BOILER. Includes sub-sections for PRESSURES, TEMPERATURES, FUEL OIL BURNERS, and BOILERS.

Table with columns for TIME, CONDENSER, CIRC. PUMP, COND PUMP, CONDENSATE, DEAERATOR, FEED PUMP, and DISTILLING PLANT. Includes sub-sections for PRESSURES, TEMPERATURES, and various flow rates.

Table with columns for TIME, TURBINES, MAIN TURBO GENERATOR, and AUX. EXH. Includes sub-sections for HI DRESS, CROSSOVER, L.P., EXHST, and GENERATOR.

Table with columns for TIME, L.P. STEAM GENERATOR, FUEL OIL, LUBRICATION, and TEMPERATURES. Includes sub-sections for PRESS, TEMP, METER, SERVICE PUMP PRESS, and various pump/strainer readings.

Table with columns for TIME, COMBUSTION AIR (PORT BOILER), COMBUSTION AIR (STBO BOILER), BOILER CHEMISTRY, INVENTORIES, TANKS SOUNDINGS (TONS), and HP METER.

Table with columns for Chlorides, REMARKS, and PERFORMANCE DATA (TODAY ONLY). Includes detailed notes on engine issues and performance metrics like STEAMING TIME, DETENTION TIME, and FUEL CONSUMED.



ENGINEERS LOG BOOK

OPERATOR Sea Star, LLC. SS EL FARO VOYAGE NO 174 N PASSAGE FROM SAN JUAN, PR TO JACKSONVILLE, FL DATE (TO NOON OF) 7/21/15

Table with columns: TIME, SHAFT, Make-up Meters, PORT MAIN BOILERS, PORT&STBD, STBD MAIN BOILER. Includes sub-sections for PRESSURES, TEMPERATURES, FUEL OIL BURNERS, and BOILERS.

Table with columns: TIME, CONDENSER, CIRC. PUMP, COND PUMP, DEAERATOR, FEED PUMP, DISTILLING PLANT. Includes sub-sections for PRESSURES, TEMPERATURES, and various flow/pressure measurements.

Table with columns: TIME, TURBINES, MAIN TURBO GENERATOR, LUBE OIL. Includes sub-sections for HI DRESS, CROSSOVER, EXTRACTION BEFORE VALVES, GENERATOR, TURBINE, and BEARINGS.

Table with columns: TIME, L.P. STEAM GENERATOR, FUEL OIL, LUBRICATION. Includes sub-sections for STEAM FROM, PRESS, TEMP, METER, SERVICE PUMP, and various pressure/temperature points.

Table with columns: TIME, COMBUSTION AIR (PORT BOILER), COMBUSTION AIR (STBD BOILER), BOILER CHEMISTRY, TANKS SOUNDINGS (TONS), HP METER. Includes sub-sections for FANS, PRESSURES, TEMPERATURE, and various monitoring data.

Table with columns: Chlorides, REMARKS, WATCH ENGINEER, PERFORMANCE DATA (TODAY ONLY). Includes sections for 1400, 1800, 2200, 0200, 0600, 1000, and 1200-1600 time slots with detailed operational notes and performance metrics.



ENGINEERS LOG BOOK

OPERATOR Sea Star, LLC. SS El Faro VOYAGE NO 1755 PASSAGE FROM Jacksonville, FL TO San Juan, PR DATE (TO NOON OF) 7-22-15

Table with columns: TIME, SHAFT, Make-up Meters, PORT MAIN BOILERS, PORT&STBD, STBD MAIN BOILER. Includes sub-sections for Pressures, Temperatures, Fuel Oil Burners, and Boilers.

Table with columns: TIME, CONDENSER, CIRC. PUMP, COND PUMP, CONDENSATE, DEAERATOR, FEED PUMP, DISTILLING PLANT. Includes sub-sections for Pressures, Temperatures, and various pump/valve statuses.

Table with columns: TIME, TURBINES, MAIN TURBO GENERATOR, AUX. EXH. Includes sub-sections for HI DRESS, CROSSOVER, EXTRACTION BEFORE VALVES, GENERATOR, TURBINE, and LUBE OIL.

Table with columns: TIME, L.P. STEAM GENERATOR, FUEL OIL, LUBRICATION. Includes sub-sections for Meter, Service Pump Press, Temperatures, and various pump/valve statuses.

Table with columns: TIME, COMBUSTION AIR (PORT BOILER), COMBUSTION AIR (STBO BOILER), BOILER CHEMISTRY, TANKS SOUNDINGS (TONS), HP METER. Includes sub-sections for Fans, Pressures, Temperature, and various measurements.

Table with columns: Chlorides, REMARKS, PERFORMANCE DATA (TODAY ONLY). Includes sections for Chlorides, Remarks, and Performance Data with various metrics and notes.



ENGINEERS LOG BOOK

OPERATOR Sea Star, LLC.

SS EL FARD

FOR SUNSHIPBUILDING & DRY DOCK CO. 30,000 SHP TURBO-GEAR DRIVE TRAILERSHIP

VOYAGE NO 1755

PASSAGE FROM JACKSONVILLE FL

TO SAN JUAN PR

DATE (TO NOON OF) 7-23-15

Table with columns for TIME, Counter, REVS FOR WATCH, AVG RPM, MUF Meter, Cont. System MUF Meter, PORT MAIN BOILERS (PRESSURES, TEMPERATURES, FUEL OIL BURNERS), PORT&STBD (BOILERS, PRESSURES, TEMPERATURES, FUEL OIL BURNERS), STBD MAIN BOILER (PRESSURES, TEMPERATURES, FUEL OIL BURNERS), and Blige Hold Tank.

Table with columns for TIME, VAC (IN, HG), CONDENSER (PRESSURES, TEMPERATURES), CIRC. PUMP (PRESSURE), COND PUMP (DISCHARGE), CONDENSATE (TEMPERATURE), DEAERATOR (TEMPERATURES), FEED PUMP (PRESSURES), and DISTILLING PLANT (TEMPERATURE, METER READING, GAL'S MADE, DISTILL, POTABLE).

Table with columns for TIME, WATER (DIST, DOM, USED), TURBINES (HI DRESS, CROSSOVER, L.P. EXHST, EXTRACTION BEFORE VALVES), MAIN TURBO GENERATOR (GENERATOR, TURBINE, LUBE OIL), and AUX. EXH. (PRESS, VALVE POS).

Table with columns for TIME, L.P. STEAM GENERATOR (STEAM FROM EXTR/AUX, PRESS, TEMP, STM To Fo HTR), FUEL OIL (METER, SERVICE PUMP PRESS, TEMPERATURES), LUBRICATION (SERV PUMP, STRAINER, PUMP ON, MAIN LO COOLER, TEMPERATURES, BEARING), and other parameters.

Table with columns for TIME, COMBUSTION AIR (PORT BOILER, STBD BOILER), BOILER CHEMISTRY (PORT, STBD), INVENTORIES, TANKS SOUNDINGS (TONS), and HP METER.

Table with columns for Chlorides (1400, 1800, 2200, 0200, 0600, 1000), REMARKS (CAUSE FOR REDUCED SPEED, MAJOR REPAIRS, TESTS CONDUCTED, MISC. PUMPS STARTED AND STOPPED, SOOT BLOWER OPERATION), PERFORMANCE DATA (STEAMING TIME, DETENTION TIME, SHAFT COUNTER REVS, SHAFT SPEED, DIST BY ENGINE, DIST. OBSERVED, SLIP AVERAGE, SPEED OBSERVED, FUEL CONSUMED, FUEL PER MILE, POWER METER AVG., 1ST STAGE PRESS AVG., VACUUM AVERAGE, GENERATOR LOAD AVG., DISTANCE TO GO, FUEL USED (APT NO.), FUEL USED AT DOCK, TIME IN PORT, CLOCK (ADV) (RET)), and other operational notes.



ENGINEERS LOG BOOK

OPERATOR Sea Star, LLC. SS FL FARO VOYAGE NO 1755 PASSAGE FROM JACOBSONVILLE FL TO SAN JUAN PR. DATE (TO NOON OF) 7-24-15

Table with columns for TIME, SHAFT, Make-up Meters, PORT MAIN BOILERS, PORT&STBD, STBD MAIN BOILER, and Blige Hold Tank. Includes sub-sections for PRESSURES, TEMPERATURES, FUEL OIL BURNERS, and BOILERS.

Table with columns for TIME, CONDENSER, CIRC. PUMP, COND PUMP, CONDENSATE, DEAERATOR, FEED PUMP, and DISTILLING PLANT. Includes sub-sections for PRESSURES, TEMPERATURES, and various flow meters.

Table with columns for TIME, TURBINES, MAIN TURBO GENERATOR, and AUX. EXH. Includes sub-sections for HI DRESS, CROSSOVER, L.P. EXHST, and GENERATOR parameters.

Table with columns for TIME, L.P. STEAM GENERATOR, FUEL OIL, LUBRICATION, and BEARING. Includes sub-sections for PRESSURE, TEMPERATURE, and various pump and valve readings.

Table with columns for TIME, COMBUSTION AIR (PORT BOILER), COMBUSTION AIR (STBO BOILER), BOILER CHEMISTRY, TANKS SOUNDINGS (TONS), and HP METER. Includes sub-sections for PRESSURES, TEMPERATURE, and various chemical and soundings data.

Table with columns for Chlorides, REMARKS, PERFORMANCE DATA (TODAY ONLY), and various operational notes. Includes sub-sections for 1400, 1800, 2200, 0200, and 0600 time slots.



ENGINEERS LOG BOOK

OPERATOR Sea Star, LLC. SS

FL FARD

VOYAGE NO 1755

PASSAGE FROM JACKSONVILLE FL

TO SAN JUAN PR.

DATE (TO NOON OF) 7-25-15

Table with columns: TIME, Counter, REVS FOR WATCH, AVG RPM, MUF Meter, Cont. System MUF Meter, PRESSURES (DRUM, SUP HTR OUT, DE-SUP HTR OUT), TEMPERATURES (SUP HTR OUT, DE-SUP HTR OUT, ECON PRI, SEC), FUEL OIL BURNERS (ATOMIZING STEAM PRESS, F.O. PRESS), BOILERS (ATOM STA HDR PRESS, F.O. HDR PRESS), PRESSURES (DRUM, SUP HTR OUT, DE-SUP HTR OUT), TEMPERATURES (SUP HTR OUT, DE-SUP HTR OUT, ECON PRI, SEC), FUEL OIL BURNERS (ATOMIZING STEAM PRESS, F.O. PRESS), SH CONTROL VALVE POSIT. %, S.W. HTR IN USE (Y/N), Blige Hold Tank.

Table with columns: TIME, VAC (IN, HG), CONDENSER (PRESSURES, TEMPERATURES), CIRC. PUMP (PRESSURE, PUMP IN USE), COND PUMP (PUMP IN USE, DISCHARGE), CONDENSATE (TEMPERATURE), DEAERATOR (TEMPERATURES), FEED PUMP (PRESSURES), DISTILLING PLANT (TEMPERATURE, METER READING, GAL'S MADE, DISTILL, POTABLE), S.W. HTR IN USE (Y/N).

Table with columns: TIME, WATER (DIST, DOM, USED), TURBINES (HI DRESS, CROSSOVER, L.P., EXTRACTION BEFORE VALVES), MAIN TURBO GENERATOR (GENERATOR, TURBINE, LUBE OIL), AUX. EXH. (VALVE POS).

Table with columns: TIME, L.P. STEAM GENERATOR (STEAM FROM, PRESS, TEMP, STM To Fo HTR), FUEL OIL (METER, SERVICE PUMP PRESS, TEMPERATURES), LUBRICATION (PRESSURES, PUMP ON, TEMPERATURES), HP METER (TIME, METER READING, HP HOURS, H.P.).

Table with columns: TIME, COMBUSTION AIR (PORT BOILER, STBO BOILER), BOILER CHEMISTRY (PORT, STBD), INVENTORIES (WATER, EMER. DIESEL, LUBE OIL), TANKS SOUNDINGS (TONS), HP METER.

Table with columns: Chlorides (1400, 1800, 2200, 0200, 0600, 1000), REMARKS (CAUSE FOR REDUCED SPEED, MAJOR REPAIRS, TESTS CONDUCTED, MISC. PUMPS STARTED AND STOPPED, SOOT BLOWER OPERATION), PERFORMANCE DATA (STEAMING TIME, DETENTION TIME, SHAFT COUNTER REVS, SHAFT SPEED, DIST BY ENGINE, DIST. OBSERVED, SLIP AVERAGE, SPEED OBSERVED, FUEL CONSUMED, FUEL PER MILE, POWER METER AVG., 1ST STAGE PRESS AVG., VACUUM AVERAGE, GENERATOR LOAD AVG., DISTANCE TO GO, FUEL USED (APT NO.) (SG), FUEL USED AT DOCK, TIME IN PORT, CLOCK (ADV) (RET)).



ENGINEERS LOG BOOK

FOR SUNSHIPBUILDING & DRY DOCK CO. 30,000 SHP TURBO-GEAR DRIVE TRAILERSHIP

OPERATOR Sea Star, LLC. SS FL CARD

VOYAGE NO 175-N

PASSAGE FROM SAN JUAN PR

TO YACUSONVILLE FL

DATE (TO NOON OF) 7-26-15

Table with columns for TIME, SHAFT, Make-up Meters, PORT MAIN BOILERS, PORT&STBD, STBD MAIN BOILER, and Blige Hold Tank. Includes sub-sections for PRESSURES, TEMPERATURES, FUEL OIL BURNERS, and BOILERS.

Table with columns for TIME, CONDENSER, CIRC. PUMP, COND PUMP, CONDENSATE, DEAERATOR, FEED PUMP, and DISTILLING PLANT. Includes sub-sections for PRESSURES, TEMPERATURES, and various pump/valve readings.

Table with columns for TIME, TURBINES, MAIN TURBO GENERATOR, and AUX. EXH. Includes sub-sections for HI DRESS, CROSSOVER, L.P., EXHAUST, GENERATOR, TURBINE, and LUBE OIL.

Table with columns for TIME, L.P. STEAM GENERATOR, FUEL OIL, and LUBRICATION. Includes sub-sections for PRESSURE, TEMPERATURE, SERVICE PUMP, and various pump/valve readings.

Table with columns for TIME, COMBUSTION AIR (PORT BOILER), COMBUSTION AIR (STBD BOILER), BOILER CHEMISTRY, INVENTORIES, TANKS SOUNDINGS (TONS), and HP METER. Includes sub-sections for FANS, PRESSURES, TEMPERATURE, and various readings.

Table with columns for Chlorides, REMARKS, PERFORMANCE DATA (TODAY ONLY), and various operational notes. Includes sub-sections for 1400, 1800, 2200, 0200, 0600, and 1000.



ENGINEERS LOG BOOK

OPERATOR Sea Star, LLC. SS FL FARO

FOR SUNSHIPBUILDING & DRY DOCK CO. 30,000 SHP TURBO-GEAR DRIVE TRAILERSHIP VOYAGE NO 175 N PASSAGE FROM SAN JUAN PR TO JACONVILLE FL

DATE (TO NOON OF) 7-20-15

Table with columns: TIME, Counter, REVS FOR WATCH, AVG RPM, MUF Meter, Cont. System MUF Meter, PRESSURES, TEMPERATURES, FUEL OIL BURNERS, BOILERS, PRESSURES, TEMPERATURES, FUEL OIL BURNERS, Blige Hold Tank.

Table with columns: TIME, VAC (IN, HG), CONDENSER, CIRC. PUMP, COND PUMP, CONDENSATE, DEAERATOR, FEED PUMP, DISTILLING PLANT, S.W. HTR IN USE (Y/N).

Table with columns: TIME, WATER, TURBINES, MAIN TURBO GENERATOR, AUX. EXH., VALVE POS.

Table with columns: TIME, L.P. STEAM GENERATOR, FUEL OIL, LUBRICATION, TEMPERATURES, BEARING, MISC.

Table with columns: TIME, COMBUSTION AIR (PORT BOILER), COMBUSTION AIR (STBO BOILER), BOILER CHEMISTRY, TANKS SOUNDINGS (TONS), HP METER.

Table with columns: Chlorides, REMARKS, PERFORMANCE DATA (TODAY ONLY), STEAMING TIME, DETENTION TIME, SHAFT COUNTER REVS, SHAFT SPEED, DIST BY ENGINE, DIST. OBSERVED, SLIP AVERAGE, SPEED OBSERVED, FUEL CONSUMED, FUEL PER MILE, POWER METER AVG., 1ST STAGE PRESS AVG., VACUUM AVERAGE, GENERATOR LOAD AVG., DISTANCE TO GO, FUEL USED AT DOCK, TIME IN PORT, CLOCK (ADV) (RET).



ENGINEERS LOG BOOK

OPERATOR Sea Star, LLC. SS FL FALD

FOR SUNSHIP BUILDING & DRY DOCK CO. 30,000 SHP TURBO-GEAR DRIVE TRAILERSHIP

TO Jacksonville FL.

DATE (TO NOON OF) 7-28-15

Table with columns for TIME, SHAFT, Make-up Meters, PORT MAIN BOILERS, PORT&STBD, and STBD MAIN BOILER. Includes sub-sections for PRESSURES, TEMPERATURES, FUEL OIL BURNERS, and BOILERS.

Table with columns for TIME, CONDENSER, CIRC. PUMP, COND PUMP, CONDENSATE, DEAERATOR, FEED PUMP, and DISTILLING PLANT. Includes sub-sections for PRESSURES, TEMPERATURES, and various flow rates.

Table with columns for TIME, TURBINES, and MAIN TURBO GENERATOR. Includes sub-sections for HI DRESS, CROSSOVER, L.P., EXHST, and GENERATOR parameters.

Table with columns for TIME, L.P. STEAM GENERATOR, FUEL OIL, and LUBRICATION. Includes sub-sections for PRESSURE, TEMPERATURE, and various pump and service parameters.

Table with columns for TIME, COMBUSTION AIR (PORT BOILER), COMBUSTION AIR (STBD BOILER), BOILER CHEMISTRY, and TANKS SOUNDINGS (TONS). Includes sub-sections for PRESSURES, TEMPERATURE, and various chemical and sounding data.

Table with columns for Chlorides, REMARKS, and PERFORMANCE DATA (TODAY ONLY). Includes detailed notes on engine operations and performance metrics like STEAMING TIME, DETENTION TIME, and FUEL CONSUMPTION.



ENGINEERS LOG BOOK

OPERATOR Sea Star, LLC. SS EL PARO

FOR SUNSHIPBUILDING & DRY DOCK CO. 30,000 SHP TURBO-GEAR DRIVE TRAILERSHIP VOYAGE NO 1763 PASSAGE FROM JACUSONVILLE FL TO SAN JUAN

DATE (TO NOON OF) 7-29-15

Table with columns: TIME, SHAFT, Make-up Meters, PORT MAIN BOILERS, PORT&STBD, STBD MAIN BOILER. Includes sub-sections for PRESSURES, TEMPERATURES, FUEL OIL BURNERS, and BOILERS.

Table with columns: TIME, CONDENSER, CIRC. PUMP, COND PUMP, CONDENSATE, DEAERATOR, FEED PUMP, DISTILLING PLANT. Includes sub-sections for PRESSURES, TEMPERATURES, and various flow/pressure measurements.

Table with columns: TIME, TURBINES, MAIN TURBO GENERATOR, AUX. EXH. Includes sub-sections for HI DRESS, CROSSOVER, EXTRACTION BEFORE VALVES, GENERATOR, TURBINE, and LUBE OIL.

Table with columns: TIME, L.P. STEAM GENERATOR, FUEL OIL, LUBRICATION. Includes sub-sections for PRESSURE, TEMPERATURE, SERVICE PUMP, and various oil/steam parameters.

Table with columns: TIME, COMBUSTION AIR (PORT BOILER), COMBUSTION AIR (STBO BOILER), BOILER CHEMISTRY, TANKS SOUNDINGS (TONS), HP METER. Includes sub-sections for FANS, PRESSURES, TEMPERATURE, and various monitoring data.

Table with columns: Chlorides, REMARKS, PERFORMANCE DATA (TODAY ONLY). Includes sections for Chlorides, detailed remarks on engine operations, and performance metrics like STEERING TIME, DETENTION TIME, etc.



ENGINEERS LOG BOOK

OPERATOR Sea Star, LLC. SS El FARO

FOR SUNSHIPBUILDING & DRY DOCK CO. 30,000 SHP TURBO-GEAR DRIVE TRAILERSHIP VOYAGE NO 1763 PASSAGE FROM Jacksonville 98 TO San Juan P.R.

DATE (TO NOON OF) 7-30-15

Table with columns: TIME, SHAFT, Make-up Meters, PORT MAIN BOILERS, STBD MAIN BOILER. Includes sub-sections for Pressures, Temperatures, Fuel Oil Burners, and Blige Hold Tank.

Table with columns: TIME, CONDENSER, CIRC. PUMP, COND PUMP, CONDENSATE, DEAERATOR, FEED PUMP, DISTILLING PLANT. Includes sub-sections for Pressures, Temperatures, and various pump/meter readings.

Table with columns: TIME, TURBINES, MAIN TURBO GENERATOR, LUBE OIL. Includes sub-sections for HI DRESS, CROSSOVER, EXTRACTION BEFORE VALVES, GENERATOR, TURBINE, and BEARINGS.

Table with columns: TIME, L.P. STEAM GENERATOR, FUEL OIL, LUBRICATION. Includes sub-sections for Meter, Service Pump Press, Temperatures, and various pump/pressure readings.

Table with columns: TIME, COMBUSTION AIR (PORT BOILER), COMBUSTION AIR (STBO BOILER), BOILER CHEMISTRY, TANKS SOUNDINGS (TONS), HP METER. Includes sub-sections for Fans, Pressures, Temperature, and various chemical/sounding readings.

Table with columns: Chlorides, REMARKS, WATCH ENGINEER, PERFORMANCE DATA (TODAY ONLY). Includes sections for Chlorides, Remarks, Watch Engineer, and Performance Data.



ENGINEERS LOG BOOK

FOR SUNSHIPBUILDING & DRY DOCK CO. 30,000 SHP TURBO-GEAR DRIVE TRAILERSHIP

OPERATOR Sea Star, LLC. SS El Faro

VOYAGE NO 1765 PASSAGE FROM Jacksonville FL

TO San Juan P.R.

DATE (TO NOON OF) 7-31-15

Table with columns for Shaft, Make-up Meters, Pressures, Temperatures, Fuel Oil Burners, Boilers, and STBD Main Boiler. Includes rows for time (1600, 2000, 2400, 0400, 0800, 1200) and various engine parameters.

Table with columns for FDF (PF, PA, SF, SA), Condenser, Circ. Pump, Cond Pump, Deaerator, Feed Pump, and Distilling Plant. Includes rows for time (1600, 2000, 2400, 0400, 0800, 1200) and detailed operational data.

Table with columns for Turbines (Hi Dress, Crossover, L.P., Extraction Before Valves) and Main Turbo Generator (Generator, Turbine, Lube Oil). Includes rows for time (1600, 2000, 2400, 0400, 0800, 1200) and performance metrics.

Table with columns for L.P. Steam Generator, Fuel Oil, Lubrication, and Bearings. Includes rows for time (1600, 2000, 2400, 0400, 0800, 1200) and detailed engine component data.

Table with columns for A.C. (Fans, Pressures, Temperature), Boiler Chemistry, Inventories, Tanks Soundings (Tons), and HP Meter. Includes rows for time (1600, 2000, 2400, 0400, 0800, 1200) and environmental/chemical data.

Table with columns for Chlorides, Remarks, Performance Data (Today Only), and various engine logs. Includes rows for time (1600-2000, 2000-2400, 2400-0400, 0400-0800, 0800-1200) and detailed operational notes.



ENGINEERS LOG BOOK

FOR SUNSHIPBUILDING & DRY DOCK CO. 30,000 SHP TURBO-GEAR DRIVE TRAILERSHIP

OPERATOR Sea Star, LLC. SS El FARO

VOYAGE NO 176 N PASSAGE FROM San Juan P.R TO Jacksonville FL

DATE (TO NOON OF) 8-1-15

Table with columns for TIME, Counter, REVS FOR WATCH, AVG RPM, Make-up Meters, PORT MAIN BOILERS (PRESSURES, TEMPERATURES, FUEL OIL BURNERS), PORT&STBD, STBD MAIN BOILER (PRESSURES, TEMPERATURES, FUEL OIL BURNERS), Blige Hold Tank.

Table with columns for TIME, VAC, CONDENSER (PRESSURES, TEMPERATURES), CIRC. PUMP, COND PUMP, CONDENSATE, DEAERATOR, FEED PUMP, DISTILLING PLANT, S.W. HTR IN USE (Y/N).

Table with columns for TIME, WATER (DIST, DOM, USED), TURBINES (HI DRESS, CROSSOVER, L.P. EXHST, EXTRACTION BEFORE VALVES), MAIN TURBO GENERATOR (GENERATOR, TURBINE, LUBE OIL), AUX. EXH.

Table with columns for TIME, L.P. STEAM GENERATOR, FUEL OIL (METER, SERVICE PUMP PRESS, TEMPERATURES), LUBRICATION (PRESSURES, PUMP ON, MAIN LO COOLER, TEMPERATURES), BEARING, STRUT, STERN TUBE, AIR TEMP.

Table with columns for TIME, COMBUSTION AIR (PORT BOILER, STBO BOILER), BOILER CHEMISTRY (PORT, STBD), INVENTORIES, TANKS SOUNDINGS (TONS), HP METER.

Table with columns for Chlorides, REMARKS, PERFORMANCE DATA (TODAY ONLY), STEAMING TIME, DETENTION TIME, SHAFT COUNTER REVS, SHAFT SPEED, DIST BY ENGINE, DIST. OBSERVED, SLIP AVERAGE, SPEED OBSERVED, FUEL CONSUMED, FUEL PER MILE, POWER METER AVG., 1ST STAGE PRESS AVG., VACUUM AVERAGE, GENERATOR LOAD AVG., DISTANCE TO GO, FUEL USED (APT NO.), FUEL USED AT DOCK, TIME IN PORT, CLOCK (ADV) (RET).

DEPARTURE - 23:54 FOM 49743 J... EVAP 85719820... CHIEF ENGINEER