

M.T. "BITU ATLANTIC"

4TH Engineer's Hand Over Note

Welcome on board of "Bitu Atlantic".

The vessel was took over last 9th of April 2018 At Hongkong Anchorage from NYK BULKSHIP (ASIA) PTE LTD. The vessel converted from Product to Asphalt (Bitumen) Tanker from April to October 2018 in Nantong Shipyard, Nantong, China.

MAIN ENGINE:

TYPE: MITSUBISHI UE DIESEL

MAKER: KOBE DIESEL CO., LTD.

MODEL: 6UEC60LA

ENGINE NO. UE-2727

Main engine was completely overhauled. All drains from fuel injection pumps, fuel valves, main drain pipe and pipes to FO drain tank were cleaned up to remove the hardened carbon from inside to avoid fuel leakage and other new fabricated during Nantong shipyard. All jobs according the PMS system. Scavenge space was cleaned and inspected last 3rd of November 2018 in port of Kemaman, Malaysia. Overhauled and ready for use three exhaust valve. Two spare fuel injection pumps are ready for use, fuel injectors' valves 12 pcs ready for use. Main Engine performance was taken on the ballast passage and loaded passage and recorded with received new Electronic Cylinder Pressure Indicator. Main Engine air cooler shipyard cleaned and pressure tested. Turbocharger overhauled by shipyard. Fuel oil pumps overhauled by shipyard. Oil mist detector and fuel leak tested weekly.

MAIN DIESEL GENERATOR (3 SET)

MAKER: YANMAR CO. LTD.

TYPE: SINGLE ACTION, 4 STROKE, TRUNK PISTON TYPE

MODEL: 6N21AL-UV (925 KVA, 800 KW, 900 RPM)

ENGINE NO.:5513FTN, 5514FTN,5515FTN

AUXILLIARY ENGINE NO.1

Engine overhauled by previous owner. All jobs according the PMS system and engine running satisfactory. Crankcase inspection & sump cleaning done in Nantong Shipyard.

AUXILLIARY ENGINE NO.2

Engine was overhauled during Nantong shipyard by crew. All jobs according the PMS system and engine running satisfactory. Crankcase inspection & sump cleaning done.

AUXILLIARY ENGINE NO.3

Engine was overhauled during Nantong shipyard by crew. All jobs according the PMS system and engine running satisfactory. Crankcase inspection & sump cleaning done.

EMERGENCY GENERATOR DIESEL ENGINE:

MAKER: DEUTZ AG

TYPE: SINGLE ACTING, 4 STROKE, TRUNK PISTON

MODEL: BF6L913 (120 KVA (96KW))

ENGINE NO.: 8768088

Emergency Generator working satisfactory. Inspection & testing carried-out every Saturday. Spare fuel valves (6 pcs) are onboard in the spare parts box placed in the machinery's compartment & Lube oil filter in E/R workshop store. October 2018 was tested in Nantong shipyard with class, No remark

PUMPS:

MAKER: HEISHIN PMP WORKS CO. LTD.

TYPE: CENTRIFUGAL, GEAR, SCREW, SNAKE & PISTON.

All E/R pumps No. 1 all are overhauled by Nantong Shipyard & all no. 2 all overhauled by ship staff. All are found working satisfactory.

EMERGENCY FIRE PUMP:

TYPE: CENTRIFUGAL WITH VACUUM PUMP

MODEL: RDY-80R

Pump was overhauled by Nantong Shipyard.

INCINERATOR:

MAKER: SUNFLAME CO. LTD.

TYPE: OSV-600SDA

Incinerator working satisfactory.

OILY WATER SEPARATOR:**MAKER: HEISHIN PUMP CO., LTD.****MODEL: HFS-200**

O.W.S. maintenance carried out opened and checked the chamber 1st stage cone wave plate gravity and coalesce separator and cleaned up, 2nd stage fiber filter changed, attached feeding pump pistons visual inspection done. OWS 15 ppm alarm was tested weekly. All jobs according the PMS system.

MAIN AIR COMPRESSOR: (2SETS)**MAKER: TANABE PNEUMATIC MACHINERY CO. LTD.****TYPE: VERTICAL 2 STAGE FRESH WATER COOLED****MODEL: H-74**

Compressors are working satisfactory. Both compressor was overhauled in Nantong Shipyard. Main air compressor no. 2 is designated as "Emergency air compressor". Lube oil were changed at both compressors. Deck air is working satisfactory, lube oil and lube oil filters were changed. All PMS routines have been carried out.

FRESH WATER GENERATOR:**MAKER: SASAKURA ENG'G. CO. LTD.****MODEL: KE25**

Fresh Water Generator evaporator, condenser & demister cleaned at Nantong Shipyard. Found working satisfactory.

SEWAGE TREATMENT PLANT:**MAKER: TAIKO KIKAI INDUSTRIES****MODEL: SBT-40**

Sewage treatment plant cleaned in Nantong, Shipyard. Working satisfactory. Every Saturday (safety day), high level alarm is tested. Chlorine tablets should be added whenever requires. Monthly, the space inside must be checked and cleaned with fresh water if necessary. Overboard by-pass valves are shut and sealed. All PMS routines carried out and found ok.

F.O. PURIFIER: (2 SETS)**MAKER: MITSUBISHI KAKOUKI KAISYA, LTD.****MODEL: SJ30G**

HFO purifiers were overhauled; O-rings and bearings renewed. Found working satisfactory.

M/E L.O. PURIFIER: (1 SET)

MAKER: MITSUBISHI KAKOUKI KAISYA, LTD.

MODEL: SJ30G

HFO purifiers were overhauled; O-rings and bearings renewed. Found working satisfactory.

A/E L.O. PURIFIER: (1 SET)

MAKER: MITSUBISHI KAKOUKI KAISYA, LTD.

MODEL: SJ10G

HFO purifiers were overhauled; O-rings and bearings renewed. Found working satisfactory.

All Purifiers are overhauled in Nantong Shipyard by the ship staff. The 4th Engineer in charge for all Purifiers. All purifiers maintenance carried out according to PMS or if needed. HFO purifiers sludge tank and LO sludge tank was opened and cleaned.

DECK MACHINERIES:

Windlass Hydraulic motors, Hydraulic Mooring Winches, Hose Handling Crane, Hydraulic pump for Cargo Remote Control Valve overhauled at Nantong Shipyard. All are found working satisfactory.

STEERING GEAR:(2 SETS)

MAKER: KAWASAKI PRECISION MACHINERY

TYPE: RV21-086-H-T100

It is working properly on both Main & Emergency power. All alarms – power failure, oil tank low level – tested and found satisfactory. Emergency steering was tested monthly without any problems. All PMS routines for the same carried out as per PMS date and code. October 2018 was tested at Nantong shipyard with class, No remark.

AUXILLIARY BOILER: (1 SET)

MAKER: TORTOISE ENGINEERING CO., LTD.

TYPE: VERTICAL TYPE, WATER TUBE BOILER.

MODEL: MVW-150

Boiler Gas & Water sides cleaned, checked, main and pilot burner assembly overhauled by ship staff in Nantong Shipyard. Found working satisfactory. All jobs carried out as per PMS. Dosing of chemical is done according to water test, which is filled up in the monthly form by 4th engineer. Periodically cleaned the fuel filters for FO booster pump. All steam valves were overhauled by ship staff.

THERMAL OIL BOILERS: "HEATMASTER" (2 sets)

MAKER: WEISHAAPT

BURNER TYPE: RMS 11

VERSION: ZMD

SERIAL NO.: 40486131

Thermal Oil Boilers are new installed in Nantong Shipyard. Presently working satisfactory on D.O or H.F.O., depend on the requirements. Periodically must clean the Thermal Oil circulation pumps suction filters. After each cargo discharging is important to clean the nozzle and FO filters on pumps and burner. TOB was opened big cover, inspected inside, and cleaned inside, changed packing's, everything ok. The 3rd Engineer is in charge with their routines and all PMS items completed & up to date. All jobs according the PMS system and Maker until of May carried out. Thermal Oil circulation pump #1 need to change mechanical seal.

CARGO PUMPS: TWIN SCREW PUMP" (3 sets)

MAKER: REDSCREW (RED 2 VR SERIES TWIN SCREW PUMP)

TYPE: 2 VR9800-144

FACTORY NO.: BP 18012 14

Cargo pumps new installed in Nantong Shipyard.

AIR CONDITION ACCOMMODATION, REEFER PLANT AND ECR A/C:

Accommodation Air Condition system works the same. Evaporator changed during Nantong shipyard. Condenser cleaned November 2018. Both Reefer Compressors & ECR are working well. All PMS routines carried out and find out ok.


STERN TUBE:

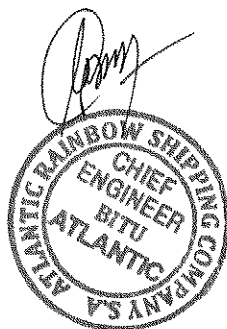
MAKER: KOBELCO EAGLE MARINE ENG'G. CO. LTD.

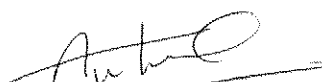
TYPE: COMPACT SEAL CX630 (FWD) / DX630 (AFT)

Repair was done in Nantong Shipyard last October 2018. The lube oil was changed over to using the bio-degradable oil Shell Naturelle S4.

Bon Voyage!!!!!!


L. ADAM B. MARTINEZ
OUTGOING 4TH ENG




INCOMING 3RD ENG