

REC'D NEW YORK MAR 26 1962

Rpt. 9

Date of writing report 23 March, 1962

Received London

Port NEW ORLEANS, LOUISIANA

No. 10,157

Survey held at Gretna, La.

No. of visits 2

First date 31 Dec. 1961 Last date 2 Jan. 1962

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 12247 Name M.V. "GEM"  
 Owners Urania Transportation Co., Inc. Managers - Gross tons 9260 Date of build 1938 - 7  
 Engines made 1938 By Burmeister & Wain Port of Registry Monrovia  
 No. of Main Engines 1 No. of Screws 1 Type Oil Engine 4SA 7 Cy.  
 No. of Main Boilers - W.P.  
 No. of Aux. Boilers 2 W.P. 180 lbs.  
 Surveyed Afloat or in Dry Dock afloat  
 Nature of Survey cpn. ABS  
 Was Damage Report issued? - Int. Cert.? Yes  
 Last Report (For Head Office only) 4/7/61 LA

Records of Survey & Special Notations as per Register Book

Hull	Machinery
*100A1 oil tanker	*LMC CS 6,58
reclassified 6,58	A 11,60
SS 6,58	CL 9,59
docking 7,61	steam pipes 6,58

The condition of any of the following items is to be described as "good" only when the part has been examined, found or placed in good condition, and is considered to be acceptable until the due date of the next Periodical Examination. Where it is considered that re-examination or repairs should be effected before the due date of the next Periodical Examination a distinguishing mark thus † should be inserted against the item and the circumstances and action recommended described fully under "defects and repairs". At part or complete Special Surveys those items which are not applicable to the ship should be cancelled with a black line; this need not be done when the machinery is on a continuous survey basis. When any part has been subjected to pressure test this should be stated. Engine parts when referred to by numbers should be counted from forward.

DOCKING Propellers ..... Wear Down of Stern Bushes vessel afloat ..... Oil Glands ..... Sea Connections .....  
 Fastenings ..... Has Screwshaft/Tubeshaft been drawn? ..... Date of Examination ..... Has Shaft been changed? .....

Has Shaft now fitted been previously used? ..... Has Shaft now examined/fitted a continuous liner? ..... Approved oil gland? .....  
 MAIN ENGINES (Recip. Steam or I.C.) PORT STARBOARD

- 1 Cyls., Covers, Pistons & Rods
- 2 Valves & Gears
- 3 Connecting Rods, Top Ends & Guides { Side, Centre
- 4 Crankpins & Bearings { Side, Centre
- 5 Journals & Bearings

- MAIN ENGINE DRIVEN AIR COMPRESSORS
- 6 Cyls., Covers, Pistons & Rods
  - 7 Connecting Rods & Top Ends
  - 8 Crankpins & Bearings
  - 9 Journals & Bearings
  - 10 Coolers & Safety Devices

- MAIN ENGINE DRIVEN SCAVENGE PUMPS
- 11 Cyls., Covers, Pistons & Rods
  - 12 Connecting Rods & Top Ends
  - 13 Crankpins & Bearings
  - 14 Journals & Bearings
  - 15 Levers

- SCAVENGE BLOWERS
- SUPERCHARGERS
- MAIN TURBINES
- 18 Casings, Rotors, Blading, Bearings & Thrusts

- 19 EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)
- 20 STEAM COMPRESSORS
- 21 CLUTCHES & HYDRAULIC COUPLINGS
- 22 REDUCTION GEARING
- 23 THRUST BLOCKS, SHAFTS & BEARINGS
- 24 INTERMEDIATE SHAFTS & BEARINGS
- 25 HOLDING DOWN BOLTS & CHOCKS
- 26 CONDENSERS (MAIN & AUX.)
- 27 STEAM RE-HEATERS
- 28 DE-SUPERHEATERS
- 29 STOP & MANOEUVRING VALVES
- 30 MAIN ENGINE DRIVEN PUMPS
- 31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

OPINION OF MACHINERY AND RECOMMENDATIONS Have Main Engines been tested working and manoeuvring? The machinery of this vessel, so far as now seen is in good and safe working condition and eligible in my opinion to remain as classed with record of ABS with date previously recommended be made in the Supplement to the Register Book.

Has a Survey also been held on Ship? If so, is the Report sent now, or when will it be sent?

If certificate is required state where to be sent

NOTED FOR POSTING

Date of Committee Decision NEW YORK MAR 28 1962  
 Decision ABS 12.61  
 (see also N.Y.C. Report of March 9, 1962)

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 Engineer Surveyor to Lloyd's Register of Shipping

- 32 Essential Independent Pumps (Identify by position).....
- 33 Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls.....
- 34 Have the remaining Piping Arrangements & Fittings in the machinery space been examined as considered necessary?.....
- 35 Fresh Water Coolers..... 36 Lub. Oil Coolers..... 37 Heaters (state service).....
- 38 Independent Air Compressors, Coolers & Safety Devices.....
- 39 Air Receivers & Safety devices—Main..... 40 Auxiliary.....
- 41 Oil Fuel Tanks (Not forming part of hull structure).....
- 42 Evaporators..... 43 Have Evaporator Safety Valves been tested under steam?.....
- 44 Steering Machinery..... 45 Windlass..... 46 Fire Extinguishing Arrangements.....

AUXILIARY ENGINES (Identify by position).....

PROPULSION	ELECTRICAL EQUIPMENT		AUXILIARY EQUIPMENT
	PORT	STARBOARD	
a Generators.....			l Generators & Governors.....
b Exciters.....			m Motors.....
c Air Coolers.....			n Switchboards & Fittings.....
d Motors.....			o Circuit Breakers.....
e Air Coolers.....			p Cables.....
f Control Gear, Cables, etc.....			q Insulation Resistance.....
g Insulation Resistance.....			r Steering Gear Generators and Motors.....
h Insulating Oil Test.....			s Navigation Light Indicators.....
i Overspeed Governors.....			
j Magnetic Couplings.....			
k Air Gap.....			

BOILERS OPENED UP & EXAMINED (Identify by position and state latest date of internal examination of each boiler)

MAIN..... AUXILIARY, ~~DONKEY OR PRESS~~ Star. 31 Dec. - Good.....

Superheaters..... Good.....

Safety Valves.....

Mountings, Doors & Fastenings.....

Safety Valves Adjusted to { Sat. 175 lbs. as requested  
Spt. ....

Boiler Securing Arrangements.....

Main Economisers..... Exhaust Gas Heated Economisers.....

Steam Heated Steam Generators..... Steam Generator Safety Valves Adjusted to.....

Were Oil Burning System & Remote Controls examined working in accordance with Rules? Yes Forced Circulating Pumps.....

Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules? Funnel Good.....

EXAMINATION & TESTING OF STEAM PIPES (State material)

Main..... Auxiliary (over 3 in. bore).....

Were Copper Pipes annealed?..... Have Saturated Pipes in cylindrical boiler smoke boxes been tested?.....

PARTICULARS OF DEFECTS & REPAIRS, ETC. (Damage repairs should be detailed separate from wear and tear repairs; state what action has been taken regarding items which are subjects of class)

Port boiler and mountings and safety valves adjustment, stated carried out Vera Cruz, 10 Dec. 1961.

LEAVE THIS SPACE BLANK

25.1.4.62  
H.B.S. 12/61 new as  
Metcalf  
recommened

Survey fees ..... \$80.00

Damage fee .....

Expenses... 7.00  
Sunday Fee 22.00

Date when A/c rendered..... 18 Jan. 1962

