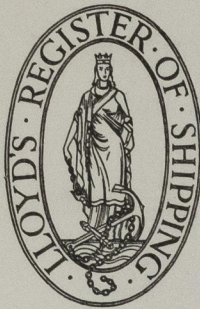COPY

LLOYD'S REGISTER OF SHIPPING

Port Balboa, Canal Zone,

14 December, 1963.

Boa. Rpt. #5008.

This is to Certify that

JOHN R. MALLAHAN

Acting
the undersigned Surveyor to this Society did at the request of

Messrs. W. Andrews & Company, Lloyd's Agents, Cristobal, Canal Zone, on be-
half of Salvage Association, London, survey, without prejudice the steel,
single screw steam tanker -

"L E O N I D A S"

13406 tons gross of Monrovia, Liberia, in order to examine and report upon
damage to the propeller, alleged to have been sustained on the 9th Decem-
ber, 1963, as a result of the propeller striking a submerged object while
on a voyage from Puerto Miranda, Venezuela, to Las Minas Bay, R. de P.

For further particulars see vessel's Log Books and the following log
abstract:

December 9, 1963:

    0640 - Made fast tow tugs "BEATRIZ & "REGINA"
    0710 - Pilot on board Mr. Perdomo.
    0720 - Engine stand by
    0735 - Unmooring
    0740 - Tugs dismissed
    0748 - Dock pilot disembarked. Sailed for Punta Cardon
    1110 - Passed buoy E. M.
    1650 - Engine stand by at Punta Cardon pilot station
    1720 - Stop engine.
    1735 - Pilot disembarked.
    1740 - Full speed for our destination Las Minas Bay.
    1750 - That time strong vibration experienced. Chief Engineer re-
           ported to the bridge unusual heavy knock was heard, and that
           engines were stopped momentarily and vibration existed.
           Propeller probably striking a submerged object.
    1753 - Stopped engines.
    1802 - Engine again full ahead, when revolutions were between 85-90
           we noticed high vibration and increased revolutions reduced
           vibration.
    2000 - RPMS 105. Moderate to high vibration.

(Rpt. 10) 300m,5,62 (MADE AND PRINTED IN ENGLAND)

December 10, 1963.

1200 - Various observations. Moderate to high vibration of the tail-
shaft and all over vessel.

December 11, 1963.

1245 - Arrived Bahia Las Minas
1340 - Anchored Bahia Las Minas.

Sgd: Capt. A. Volikas, Master "LEONIDAS"

- - - - - -

On examining this ship while afloat at Las Minas Bay, R. de P., and
later at Cristobal, C. Z., on the 12th day of December, 1963, and upon
subsequent dates, the undersigned -

FOUND:

1.   One blade of the propeller was found broken off approximately 30 inches
from the end of the blade. The propeller has a cast iron hub with 4 bronze
blades.

RECOMMENDED

2.   It is recommended that a new blade be installed.

Further recommended that all necessary removals be replaced and where
damaged (in course of above repairs) be repaired or renewed as necessary.

The above repair was not carried out at this time. The Owner's Repre-
sentative reported that there were no spare blades, and that a new propeller
would have to be ordered.

Temporary repairs as follows were carried out:

The vessel was ballasted to raise the broken blade out of water. The
broken blade was cut off and rounded to true up the jagged edge. The opposite
propeller blade was then cut off to match the broken blade.
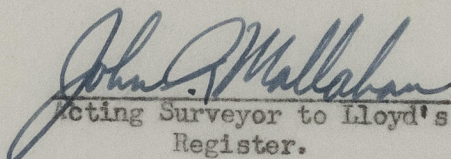
The estimated cost of temporary repairs is $1100.00.

Temporary repairs started.............   December 13, 1963.
Temporary repairs finished............   December 14, 1963.

The vessel had to proceed from Las Minas Bay, R. de P., to Cristobal, C.
Z., to effect temporary repairs.

Tugs bills to be submitted separately.

An Interim Certificate was issued recommending permanent repairs to be
carried out within six months.

John R. Mallaban
Acting Surveyor to Lloyd's
Register.