

Halifax, Nova Scotia,

June 9th, 1921.

T. MOON

the Owners Representative attend on board the S.S. "IMPOCO",
2257 gross tons register of Sarnia, Ont. for the purpose of
ascertaining the nature and extent of the damage stated to have
been sustained through stranding on Blond Rock near Shelburne,
N.S. on April 5th, 1921.

For further particulars see log books and protest.

On May 26th, 1921, and following days made examination and found

the following repairs necessary.

All oil to be removed from the vessel.

All tanks, cofferdams, bunkers and other compartments to be
steamed and cleaned.

The entire vessel to be tested by a chemist and a certificate
to be furnished by him stating that steamer is free of all
gas before repairs are commenced, and the vessel to be kept
free of gas while undergoing repairs.

KEEL.

K 1-2-3-4-5-7-8-9-10-11-12

to renew

A strake. Port.

A 1-2-3-4-5-7-8-9-10-11-12-13

to renew

A strake. Starboard.

A 1-2-3-4-5-7-8-9-10-11-12-13

to renew



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Engineer Surveyor to Lloyd's Register

A strake. Starboard (continued)

A 6

to fair in place

B strake. Port.

B 1-2-3-4-5-6-8-9-10-11-12-13-14-15 to renew

B 7

to remove, fair and replace

B strake. Starboard.

B 1-2-3-4-5-6-8-9-10-11-12-13-14 to renew

B 7

to remove, fair and replace

C strake. Port.

C 1-2-3-4-5-8-9-10-11-12-13-14-15 to renew

C strake. Starboard.

C 2-3-4-5-7-8-9-10-11-12-13 to renew

C 6-14

to remove, fair and replace

D strake. Port.

D 2-4-5-6-9-10-11-12-13-14-15 to renew

D 3-7-8

to fair in place

D strake. Starboard.

D 4-5-6-8-9-10-11-12-13-14 to renew

D 3-7

to remove, fair and replace

D 15

to fair in place

E strake. Port.

E 1-2-3-6-7-8-9-10-12 to renew

E strake. Starboard.

E 2-3-7-8-9-10-11 to renew

E 6

to crop and part renew

E 1

to remove, fair and replace

E 12

to fair in place

F strake. Port.

F 12-14-15 to renew

F 11-16-17

to remove, fair and replace

F 4-13

to fair in place



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3. "IMPOCO"

ke, Starboard.

9-10-11-12

4

13

to renew

to remove, fair and replace

to fair in place

ke, Port.

13-14

to fair in place

15-16

to remove, fair and replace

ke, Starboard.

9-11-13

to fair in place

10

to remove, fair and replace

ake, Port.

14-16

to remove, fair and replace

15

to fair in place

ake, Starboard.

16

to fair in place

ake, Port.

13-14

to fair in place

ake, Port.

K 7

to renew

K 3-4

to fair in place

K 6

to remove, fair and replace

K 8

to crop and part renew

ake, Starboard.

K 4

to fair in place

ake, Port.

L 5

to remove, fair and replace

L 6

to renew

L 7

to fair in place

ake, Starboard.

L 3

to fair in place

60 ft. fender guard and angles on port side to remove, fair angles and replace

Renew lower section of stem bar to scarp

Renew stern frame



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"IMPOCO"

new rudder and post

move rudder stock and try in lathe

1 longitudinals, transverses, floors, centre keelson plates, girders, stiffeners, bulkhead plates, brackets, shell bars, inter-stals, stringer plates and their bars, tank top and margin plates and the plating of the main engine foundation or any other iron work of whatsoever kind where broken, buckled, or in any way damaged, to be renewed or removed, straightened and replaced, or fair-d in place as necessary. Any bent or broken stanchions to be renewed or repaired as directed

The following list is a general description and is as complete as could be made at the time of the survey. Any other work developing to be taken care of in the same manner

Centre keelson plates

C V K 1-2-3-4-7-8-9-10-11

to renew

C V K bars

to renew

Vertical plates in centre line bulkhead to be cropped and part renewed where necessary

New vertical clips to fit to centre line bulkheads from frames 6 to 41 and 67 to 104

Web frames on centre line bulkhead to be cropped and lower sections renewed where necessary

Web frame lower brackets to be renewed where necessary

Centre line bulkhead stiffeners to be cropped and part renewed, with new brackets where necessary

Lower horizontal stringer to be faired where necessary

Fore peak bulkhead No. 107

Bottom strake of plates to renew

2 bulkhead brackets to renew

New vertical plate bulkhead stiffener to fit

Bulkhead stiffeners and web frames to be renewed or faired where necessary

2 web frame brackets to renew

Shell bars to renew



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"IMPOCO"

bulkhead No. 107. (continued)

re line vertical stiffener plate to renew
e bulkhead 93.

on strake of plating to be renewed

frames cut and renew lower section

head stiffeners cropped & part renewed, and brackets to renew
ation bars to renew

e bulkhead 80.

er strakes of plating to renew

frames to cut and part renew

head stiffeners to crop and part renew, and brackets to renew
ation bars to renew

e bulkhead 67.

on strake of plating to renew

frames to cut and part renew

head stiffeners to crop and part renew, and brackets to renew
ation bars to renew

e bulkhead 41.

on strake of plating to fair

frames, stiffeners and brackets to fair where necessary

ation bars to renew

e bulkhead 36.

on strake of plating to renew

frames & stiffeners to crop and part renew and brackets to renew

ation bars to renew

e bulkhead 31.

on strake of plating to renew

frames and stiffeners to crop and part renew, and brackets to

ation bars to renew

cal plate stiffener to renew on after side

e bulkhead 6.

er strakes of plating to renew

eners to crop and part renew & brackets to renew as necessary



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S. "IMPOCO"

verse bulkhead 6 (continued)

Foundation bars to renew

Peak

Frames 108 to 124 inclusive port and starboard to renew

Floor plates with bars, clips, etc. to renew

Bilge brackets to renew as necessary

Rider plate to renew

2 vertical bulb angles to renew

3 lower panting beams to renew

9 vertical stiffeners from panting stringer beams with gussets to renew

5 upper panting stringer beams to remove, fair and replace

6 side stanchions to panting stringer beams to renew

12 panting stringer plates to remove, fair and replace

Watertight flat beam brackets to remove, fair and replace

2 bulkhead brackets to renew

forecastle deck.

Crop forward end of W.C. bulkhead and division bulkhead and fit new plate

15 side frames and beam brackets to fair or renew as necessary

intercostals.

Renew or remove, fair and replace intercostals where necessary

engine & boiler rooms.

Tank top to be renewed between frames 6 and 31

Thrust foundation to be renewed

Engine foundation to be renewed

Lower strake of plating on side bunkers, with bars to be renewed, port & starboard

Stiffeners and brackets to be renewed, port & starboard

Intercostals between frames 6 and 31 to renew

Web frames Nos. 10-14-18-22-26, lower plate to be renewed, with face bars & clips

Bilge brackets from frame 7 to 30 to renew

Side frames from 4 to 31 to be cropped & part renewed or renewed as necessary

4 boiler saddles to be renewed

Foundations for auxiliary machinery to be renewed where necessary



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3. "IMPOCO"

& boiler rooms. (continued)

Engine & boiler casing, port side, to be faired in place

Port.

Nos. 4-5-7 to 36 incl., 63-66 to 70 incl., 76 to 97 incl., 105 to renew

Nos. 37-62-64-68-71 to 77 incl., 98-99-101 to remove, fair & replace

Nos. 49-59-60-61-102 to fair in place

Starboard.

Nos. 4-5-7 to 40 incl., 43-54-64 to 105 incl. to renew

No. 42 to remove, fair & replace

Nos. 44-45-50-53-55-56-59-60 to fair in place

Ladders to fuel tanks to be renewed or repaired as necessary

Port.

Nos. 32 to 35 incl., 66-75 to 79 incl., 81 to 92 incl., 95-96-97 to crop and part renew

Nos. 37-38-39-40-62-63-64-65-69-70-71-72-73-74-98-106-107 to fair in place

Starboard.

Nos. 32-33-34-35-64-65-66-81 to 92 incl., 99 to 104 incl. to crop and part renew

Nos. 37 to 43 incl., 63-94 to fair in place

Nos. 95-96-97-98 to remove, fair & replace

Nos. 68 to 79 inclusive to renew

Lines

All cargo pipes, valves and their connections, name plates, etc., to be overhauled, and any broken parts to be renewed and the system to be placed as before, and tested to the Surveyor's satisfaction.

Heater pipes.

All heater pipes and coils throughout the vessel to be overhauled; any broken parts to renew and the system to be placed as before and tested out to the satisfaction of the owners and surveyors concerned.

Pump room.

The pump room to be cleaned out and painted as before on completion of repairs.

Plaster.

All broken or disturbed cement to be removed and renewed.

Drinking pipes.



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Foundations

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PIPEWORK

pipes.

main pipes throughout the vessel to be overhauled and the
broken or missing parts to be renewed and all placed in good order.

doors.

gaskets in all tank covers to be renewed, the securing bolts
same to be overhauled, cleaned, oiled and put in order. All
locks in these covers to be renewed.

doors and skylights.

main pump room doors and skylights to be overhauled, repaired or
renewed as necessary and new gaskets fitted. The locks and hinges
lifting gear to be overhauled and placed in good working order.

and caulking.

started or broken rivets throughout the vessel to be cut out
and renewed. Started plate butts and landing edges to be caulked
and made tight.

winches and capstan.

main capstan, winches and capstan to be opened out for examination,
overhauled and placed in good working order.

chains.

main anchor chains to be examined for examination. 1 anchor and missing
links to be renewed. All slack or broken studs & shackle pins to
be overhauled and placed in good order.

pipes.

main sea pipes to be overhauled, tested and placed in good order.

transfer pumps.

main cargo and transfer pumps to be overhauled and placed in good order;
any missing or broken parts to be renewed.

boats.

1 boat davits to be dismantled, cleaned, examined and replaced
before, including cleats and guys.

boats.

life boats to be overhauled, reconditioned and put in order with
equipment to pass regulations.

main motor boat 20' long 5 H.P. to be renewed.

1 boat covers, strong backs, girders and guys to be overhauled
and placed in order, also boat chocks.

1 tank ladders, accommodation ladders, companionway and steel
deck ladders to be repaired or renewed as necessary.

missing 25 ft. wood ladder to be renewed.

rope ladders to be renewed, 16 ft. long.

steel companions on after deck to be faired or removed and faired
as necessary and new doors fitted.

pipes.

1 scupper pipes to be overhauled, examined and placed in good
order.



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line.

Vent pipes and valves to the cargo tanks to be overhauled, repaired or renewed and placed in good order as before.

Smothering lines and valves.

Smothering lines to the cargo tanks, fore peak, pump room, coffer-dam, bunker, to be overhauled, repaired or renewed where necessary and placed in order as before with necessary connections.

ventilators.

All ventilators, cowls, coamings and operating gear, to be overhauled, repaired or renewed and placed in good order as before.

davits.

Hose davits to be examined, repaired or renewed and placed in good order as before.

Sanitary lines.

Sanitary lines to be overhauled, repaired or renewed and placed in good order. All toilets and connections to be placed in good order.

and rigging.

All masts, stays and rigging to be overhauled, repaired, ^{or} renewed where necessary.

Rigging screws etc. to be removed, cleaned, oiled, replaced, and all put in good order.

Smokestack guys.

Smokestack guys to be overhauled and placed in good order.

Block gear.

All blocks, runners, guys, and all gear to be overhauled. All damaged or missing parts to be renewed and the gear to be put in good working order.

Telegraphs & telephones.

All docking and engine telegraphs and telephones, also speaking tubes to be repaired or renewed and placed in good order, and casings to repair as necessary.

Radiators.

Radiators and piping leading to same to be overhauled, tested, repaired as necessary and put in order.

Whistle.

Whistle, steam pipe and connections to be overhauled and placed in good order.

Rails and stanchions.

Deck and rails and stanchions throughout the vessel to be repaired and renewed where necessary and placed in good order.

Hose racks.

Fire hose racks to be repaired and put in order.



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Rods.

The valve stem reach rods for the cargo and fuel tanks to be repaired and put in order.
All missing valve wheels to renew and all glands to be repacked.

Box.

The lining and insulation in the ice box to be removed.
All iron work in way of same to be scaled if necessary, cleaned, coated and the insulation to be renewed.

Accommodation.

Accommodation to be provided for full complement of 26 persons to be arranged as before.
In the Forecastle there will be located, 2nd Mate's room, 3rd Mate's room on the Starboard side with Officer's toilet, and on Port side will be arranged a room for two Seamen and a room for Boatswain and one Messman, also toilet, and amidships at after end of Forecastle, quarters will be provided for four seamen.
Midship house quarters will be provided for the Captain, consisting of an office, bath and toilet, clothes locker and stateroom.
Starboard side house Starboard side. Accommodations will be provided for three oilers, one pumpman.
On Port side, quarters will be provided for three firemen and a toilet and shower for the accommodation of the firemen and oilers.
Aft, Port side, chief engineer's room, 2nd engineer's room, 3rd engineer's room, bath and toilet, and on Starboard side, steward's and wireless operator's room, cook and messman's room and chief officer's room.
Amidships, will be located officer's mess room.
All the above quarters to be arranged as before.
All damaged parts to be renewed and the whole to be arranged and put in first class order, with bunks, settees, drawers, lockers, desks, mirrors, electric fans and lavatories, as before.

Lights.

All broken and damaged port lights throughout the vessel to be renewed and new gaskets fitted.
Any broken glasses to be renewed and put in order.

Sparring.

Wood sparring to be renewed on skids amidships as required.

Wheelhouse.

Wheel house to be cleaned and painted and wood work to be repaired as necessary.

Exterior fronts.

All wood work where damaged to be renewed, also canvas dodgers.

Room skylights.

Skylights to be overhauled, repaired or renewed where necessary.
Lifting gear to be dismantled, overhauled, cleaned and put in good working order.
Living skylights to be overhauled, repaired or renewed where necessary.
Messroom skylight to be overhauled, repaired or renewed where necessary.

Shell and painting.

All shell plating, decks, bulkheads, casings, stringers, frames, inside and out, to be scaled and all to be painted with the exception of the inside of the cargo and fore peak tanks, cofferdams and double bottom tanks.



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W483 0052 (10/15)

and painting. (continued)

upper structure of the vessel to be painted as originally.
includes all deck erections, masts, hand rails, stanchions,
pillars and other fittings.
No room, fire and pump room to be painted two (2) coats.
cofferdam, double bottom and aft peak tanks to be cement washed.
stic tanks to be cleaned and cement washed.
new wood work to be given three coats of paint.
work in Captain's accommodation and Officers' mess room which
old wood to be polished.
bilges throughout the vessel to be cleaned and coated as before.
on of vessel to be painted one coat anti-corrosive and one coat
-foaling; boot topping to be painted and draft marks to be painted
before.
cilling to be as before.
engine.

ring engine to be opened out for examination, repaired if neces-
and placed in good order.
steering chains, rods, gears and connections to be overhauled,
ired where necessary and placed in good order.
issing parts to be renewed.

ing gear.

steering gear to be overhauled, cleaned and placed in good
issing parts to be renewed.

ystem.

ynamo engine to be overhauled and placed in good order.
ure to be rewound and tested.
switch board to be rewired and placed in good order.
electric wiring throughout the vessel to be renewed.
ireonite, globes, conduit piping and other fixtures to be
ed where required and all placed in good order and in accord-
with the Rules of the classification.

aths, awnings and awning stanchions and spars.

er cloths, awnings and awning stanchions and spars on Poole.
and at Bridge to be renewed.

argo, peak, double bottom and bunker tanks and cofferdam to be
d on completion of repairs in accordance with the Rules of the
ification.

and fittings to be overhauled and placed in good order.

pantry.

cupboards, drains and other fixtures to be put in good order
are.



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with covers, pistons and rods, columns, crank shaft, te, condenser, air pump, and connected pumps to be removed e vessel.

to be opened up for examination, to be thoroughly cleaned, and damaged parts to be renewed, and all parts adjusted. rings and guides to be reinstalled as required, using approved

allic packing throughout to be renewed.

t packing throughout to be renewed.

on cylinders to be renewed as necessary.

ing and turning engines and gear to be overhauled, repaired in good working order.

ached pumps on the main engine to be opened up, overhauled ired as found necessary.

shaft to be tried in lathe and placed in satisfactory condition. ling down bolts to be renewed as necessary.

n engine to be reassembled, lined up, closed up and adjusted. or gear to be put in good order.

shaft to be removed from the vessel, tried in lathe and re- in good order.

shoes and bearings to be reinstalled.

be closed up and adjusted.

block to be renewed.

service to be overhauled and broken parts renewed.

shaft, broken, to be renewed complete.

er.

be thoroughly examined and if found in good condition to have renewed, and four new blades fitted (C.I.)

tube to be removed, renewed if found damaged, or replaced in order.

ush to be examined and placed in good order.

on pipe.

er section to be renewed.

er section to be examined, if found damaged to be renewed.

e to be thoroughly cleaned, packing rings refitted and closed order.

valves to be examined and put back in order.

rods, valve stems & eccentric rods to be tried in lathe, & ed in good order.

ries.

to be reinstalled if necessary and refitted. Sheaves to be ed to shaft.

er to be opened up, thoroughly cleaned, rechecked, tested and up in order. Any leaky tubes renewed. Bonnet on top broken, renewed.

njection valve & other sea cocks & valves with their piping, examined, tested, thoroughly overhauled and put in order.

pipes.

eam, feed and suction pipes in the main engine to be removed, ed, tested and replaced and repaired or renewed where necessary.



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"INFOGO"

ng such as lubricating, water cooling, drains, etc., to be over-repaired, cleaned and refitted and broken parts renewed.

ates.

ates in engine and boiler room with necessary supports to be thor-
overhauled, missing or broken parts replaced, and all lined up in

arts.

ft and all spare gear to be removed from vessel, thoroughly
coated for preservation and resecured in position.

ed pumps to be opened up for examination, cleaned and closed up
working order.

ifolds to be overhauled and put in order.

and hot well tank to be opened up for inspection, overhauled,
and put in good order.

ir.

ut in good working order with all connections.

on tank from cargo oil heating returns to be opened up for in-
n, cleaned and closed up in order, with all connections.

ating pump to be opened up, impeller and shaft to be examined,
up and closed in order.

to be opened up, overhauled, adjusted and closed up in good order.
eam and water glands to be repacked.

Discharge Valves.

to be opened up, cleaned, thoroughly overhauled, repacked and
up in order.

Covering.

eam and exhaust pipes in engine and fire room to be covered as before.

water heater to be opened up, overhauled and closed in order.

etc.

atings, toe plates, protection plates, hand rails, stanchions, and
in engine and boiler room, to be thoroughly repaired and put in
as before.

Arrangement.

all piping, boxes, and oiling gear, to be cleaned, repaired and replaced
as before.

Revolution, Counter, Clock.

to be renewed in engine and boiler room if necessary.

st pump to be thoroughly overhauled and repacked.

ary pump with all connections to be thoroughly overhauled and put in
order.

rater to be opened up, cleaned, overhauled and closed in order with all
connections.



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sh water pump with all of its connections to be overhauled and in good working order.

ge & Tank Piping.

bilge and tank piping, strum boxes, valves, manifolds, in engine boiler room to be renewed as necessary.

o Bench.

oh and combination vice to be renewed or repaired.
ll press to be renewed or repaired.

oh tank for lubricating oil to be placed in order.

ueing Valves.

ueing valves in engine room and on deck, steam lines to be rhauled, repaired or renewed.

en and exhaust lines on deck to be covered as before.

ine room desk to be repaired or renewed.

a tank to renew if necessary.

tanks in engine room to be renewed or repaired.

een bulkhead between engines and boilers to be renewed.

n boilers to be removed from the vessel.

boiler mountings to be removed, tested out, all pipes annealed mountings and pipes repaired or renewed as necessary, and nected up in order.

packing in glands renewed.

lers to be opened up, cleaned, scaled and washed out.

tubes and back ends thoroughly cleaned.

oil to be thoroughly removed from all parts of boilers.

er boilers have been cleaned and scaled, they are to be tested meet requirements of Canadian Inspection Service, the Classifi- ion, and any leaks or defects made good.

be replaced in ship, properly secured and braced.

lers:

be repaired or renewed at boiler fronts to keep bilges clear.

ekwork.

be renewed in furnaces.

ller Fronts.

be removed, overhauled and replaced in order.

hebox Doors and Uptakes.

be removed, faired, damaged parts renewed, and replaced in order.

iller Covering.

otional covering held in place by wire, cemented with hard finish be renewed to shells and back heads of boilers; all to be fully vered with galv. iron covering as before.



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"IMPOCO"

ok.

ns to be renewed as required, stack put in good order,
ced with new guys.

System.

suction pipes in bunkers, high and low.
meter, pumps, heaters, thermometers, piping, burners,
to., to be thoroughly overhauled and put in good working

engine room, auxiliaries, boiler room, to be cleaned,
n a good workmanlike manner and all bright parts to be

letion of work the propelling machinery, auxiliaries,
g set & deck machinery, is to be given a thorough dock
isfactory to the owners and classification surveyors.

iler.

aned, scaled, and put in good order.

Y Moon.

Surveyor to Lloyd's Register.



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W783-0052 (1545)