

COPY.

# Lloyd's Register of Shipping.



Port DAIREN No. 4877

February 1st, 1934.

This is to Certify that

John Sin

the undersigned Surveyor to this Society did at the request of

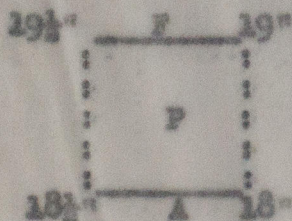
Messrs. Cornabe, Bokford & Winning, Lloyd's Agents at Dairen, on behalf of Messrs. Yamashita Kisen Kaisha, Dairen, attend on board the S/S "KAKO MARU" of Tokio, on January 30th/31st as she lay at the Jijiko Pier also visited the South Manchuria Railway Co. storage tanks for the purpose of measuring a shipment of Bean Oil to be loaded into the Port After Deep Tank and reporting on the capacity and safe storage of same in bulk for Europe.

The measurements were taken at the S.M.R. Co.'s storage tank No. 1 and measured before loading 3.377 cub metres equals 615.153 cub metres F.W. with oil temp  $9^{\circ}\text{C}$  and density .9279 i.e.  $615.153 \times .9279$  equals 570.800 cub metres oil in tank.

Remaining in tank after loading 1.210 metres equals 219.921 cub metres F.W. with oil temp  $7.4^{\circ}\text{C}$  and density .929 i.e.  $219.921 \times .929$  equals 204.306 cub metres oil.

Therefore 570.800 minus 204.306 equals 366.494 cub metres divided by 1.016 and less .022 for loss in pipes making total into ship's tank 359.7 long tons (Three hundred and sixty decimal seven long tons) shipped.

Ullage measurements taken 20 hours after loading had been completed with Draft Fore  $9'-7"$  Draft Aft  $18'-5"$  list  $\frac{1}{2}^{\circ}$  to Port Mean temp  $7.7^{\circ}\text{C}$  Mean density .9289 Sea temp  $+ 1.1^{\circ}\text{C}$  Air temp  $+ 1.1^{\circ}\text{C}$



Sufficient allowance has been made for expansion during present voyage to Europe.

I hereby certify that all the above measurements together with temp and density were taken by the undersigned and show the amount of Bean Oil loaded into the Port After Deep Tank of the S/S "KAKO MARU" of Tokio, on Jan. 30th, 1934.

Survey Fee £55-00  
Expenses £5-00

John Sin  
Surveyor to Lloyd's Register.

This Certificate is issued upon the terms of the Rules and Regulations of the Society, which provide that:

"While the Committee use their best endeavours to ensure that the functions of the Society are properly executed, it is to be understood that neither the Committee nor the Society are under any circumstances whatever to be held responsible for any inaccuracy in any report or certificate issued by the Society or its Surveyors, or in any entry in the Register Book or other publication of the Society, or for any error of judgment, default, or negligence of the Committee or any Member thereof, or the Surveyors, or other Officers or Agents of the Society."