Liengaard & Roschmann
VESSELINDEX®

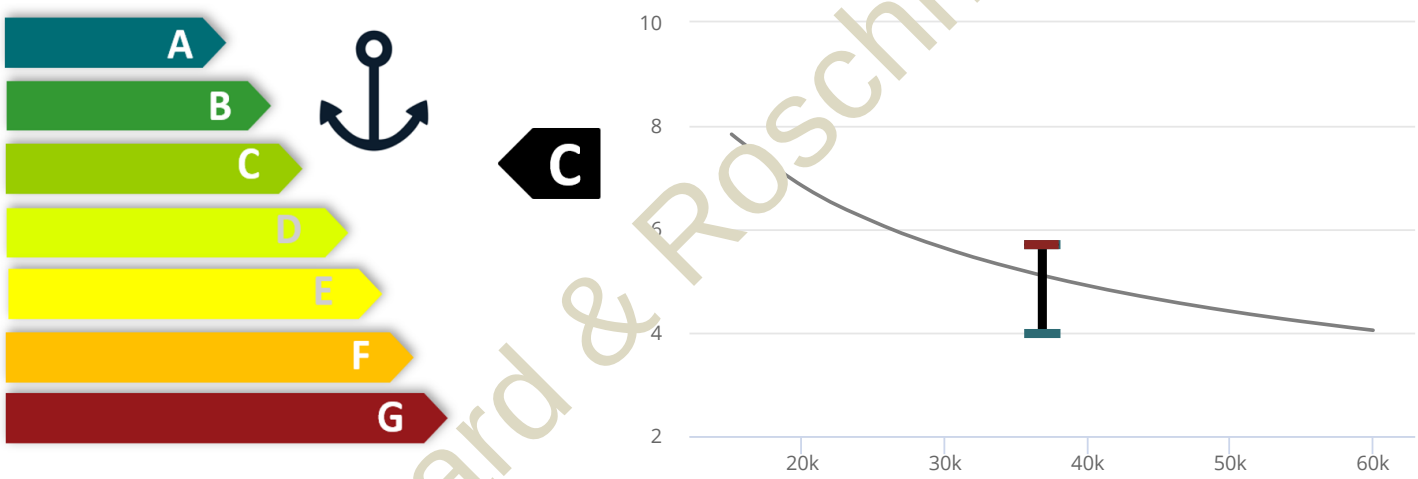
Issue date: 2022-05-23
Expiry date: 2022-08-23
Certificate No.: LR9802413C000414
Legislative reference: IMO Phase 2

Vessel details:

RUBY CONFIDENCE (IMO No. 9802413)

Built:	2016
Yard:	Minaminippon Shbldg - Ozai
Deadweight:	36,844

VESSELINDEX GHG-rating:



The VESSELINDEX®- GHG rating reflects to what extent the normal operational span, ie. 11 to 14 knots for handysize, of the vessel is within the current IMO compliance limit (represented by the gray line).

Operational span = (RUBY CONFIDENCE)

35% of the operational span is ABOVE the IMO compliance limit

65% of the operational span is BELOW the IMO compliance limit

Green-speed® limit: 13.0 knots

At this speed and below the vessel is compliant with IMO Phase 2 targets.

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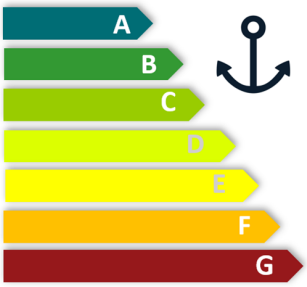
RUBY CONFIDENCE - GHG Rating calculation details:

The rating letter is based on the proportion of the operational span below the IMO compliance limit:



A	95% or more
B	between 80% and upto 95%
C	between 60% and upto 80%
D	between 10% and upto 60%
E	between -5% and upto 10%
F	between -15% and upto -5%
G	less than -15%

RUBY CONFIDENCE - EEOI (actual emissions) calculation details:

$$EEOI = \frac{CO_2\ emissions}{Transport\ work} = \frac{Fuel\ Oil\ Cons. x\ CO_2\ Conversion\ factor}{Operational\ Speed\ X\ DWT}$$

EEOI is an abbreviation for **E**nergy **E**fficiency **O**perational **I**ndicator, which is a measure for the technical energy efficiency of the vessel. It is calculated on basis of the actual performance of the vessel, by proxy of its speed & consumption figures.

For EEOI, the speeds used are the upper and lower limit of the normal operational span*, i.e. 14 knots & 11 knots for handysize vessels

EEOI(actual emissions) @ 14 knots:	**5.7** gCO2/t-mile
EEOI(actual emissions) @ 11 knots:	**4.0** gCO2/t-mile
IMO Phase 2 limit:	**5.1** gCO2/t-mile

RUBY CONFIDENCE - Speed & Consumption description:

This certificate is valid under the assumption that below stated speed & consumption figures are reflecting the actual performance of the vessel under non adverse weather conditions.

	FULL	ECO
Laden - Speed [knots]	13.6	11.9
Laden - LHSFO Consumption [mt/day]	20.7	14.8
Laden - MGO Consumption [mt/day]	0.1	0.1
Ballast - Speed [knots]	14.3	12.6
Ballast - LHSFO Consumption [mt/day]	20.7	14.8
Ballast - MGO Consumption [mt/day]	0.1	0.1
Port L/HSFO Consumption - idle [mt/day]	2.4	
Port MGO Consumption - idle [mt/day]	0.1	

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