

OCTARVIA-web

Life Cycle Fuel Consumption

Total fuel consumption of main engines during life cycle and average value per day can be evaluated.

INDEX of the ship performance in actual seas

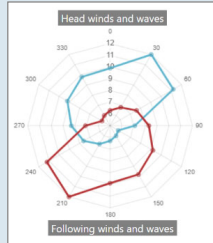
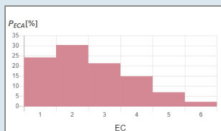
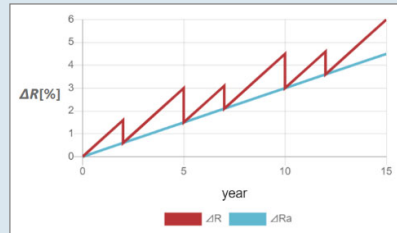
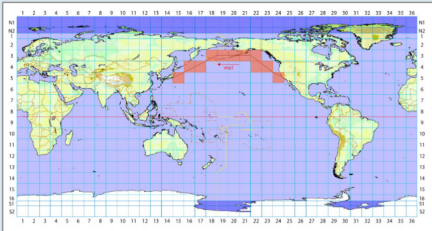
INDEX

Item	Value	Unit	Remarks
Lifecycle Fuel Consumption	101.68	ton/day	Fuel consumption per day averaged throughout life

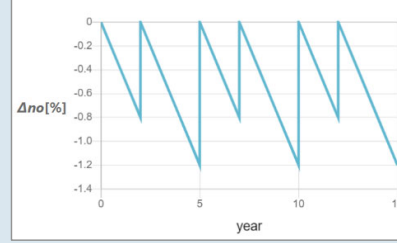
Elements

Item	Value	Unit	Remarks
Total fuel consumption	5.570E+05	ton	Total fuel consumption throughout life
Total amount of cargo	4.284E+07	ton	Total amount of cargo delivered throughout life
Total distance for transport work	2.624E+06	mile	Total distance for transport work throughout life

Evaluation according to the operational model is performed.

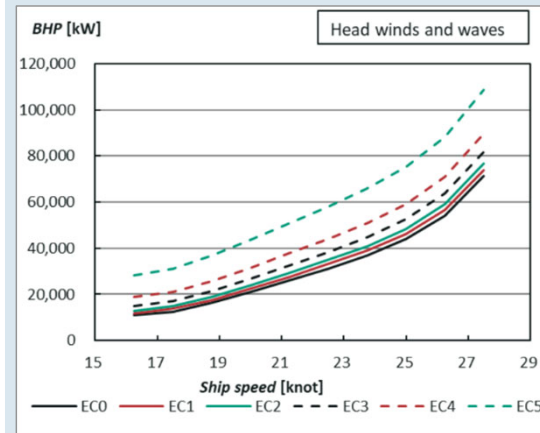


Weather conditions are given according to the assumed operating route.

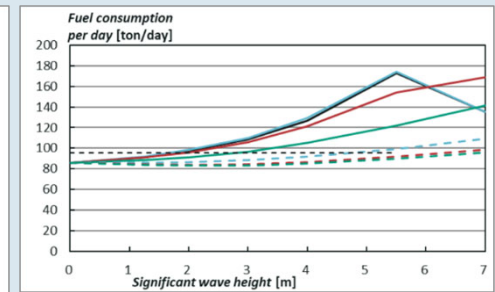


Aging deteriorations and recoveries by maintenance are considered.

Prediction of power curves and fuel consumption are available.

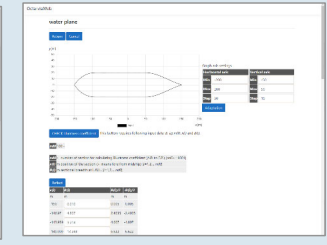
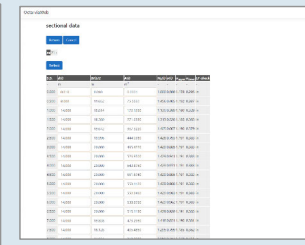
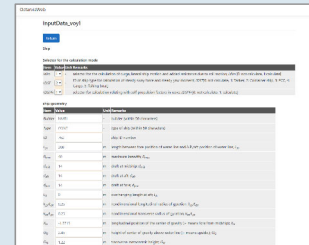


Power curves are output for each Evaluation Condition (EC).

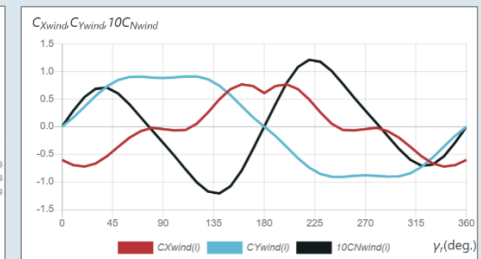
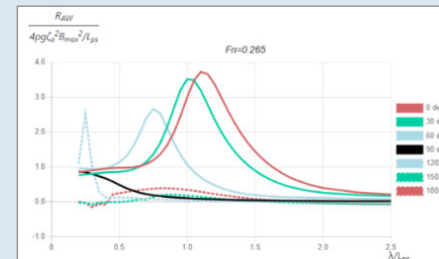


Fuel consumption per day is calculated with consideration of engine operational condition.

External forces are evaluated by physical models using ship hull data.



Input for ship form parameters



Calculation of added resistance in waves and wind coefficients