

SeaPerformer Data Monitor Version 1.11 Release Note

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ENAMOR Sp z o.o. ul. Inżynierska 1 | 81-512 Gdynia | Poland VAT UE: PL 5860102211 | REGON: 00135874 tel.: +48 58 69 01 700 email: research@enamor.pl web: www.enamor.pl Main features included in SeaPerformer Data Monitor version 1.11

1.	Carbon Intensity Indicator Forecast	. 3
2.	Universal counter in Custom Report	. 3
3.	Auxiliary Engine Low Load Alert	. 3
4.	Automatic values in Performance Charts	. 4
5.	Changes in Fuel Consumption graph for Trip Simulator	. 5
6.	Minor fixes	. 6
7.	Troubleshooting	. 6
Chrom	e browser	. 6
Firefox	browser	. 7

1. Carbon Intensity Indicator

One of the new features in SeaPerformer Data Monitor is Carbon Intensity Indicator monitoring and prediction added in Ship Routing. The CII is a new measure to support IMO's objective to reduce CO2 emissions in marine transportation. There is additional block in the Ship Routing results tab which presents so far attained value of CII, CII value predicted for analysed voyage and CII value which will be attained after the voyage is executed. The rating is shown accordingly to the IMO regulation as well.

Voya	Estin	nated fue	l consumption	Carbon Intensity Index		Rating	
Departure time:	2022-04-04 13:33:00	Inside SE		0.000 t	Current CII:	12.94	в
Arrival time:	2022-04-08 06:24:37		CA-		CII of the planned route:	12.164	в
Duration:	88 hours 51 minutes	Outside S LFO:	SECA -	149.138 t	Current CII including planned route:	12.885	в
Average speed:	18.5 kn	In Port:		0.000 t			
Distance:	1643.92 NM	Total:		149.138 t			
	2022-	04-04 13:33:00	HONG	KONG (HKHKG) - H	ONG KONG		
		04-04 13:33:00	0	KONG (HKHKG) - H Strait - ENTRY	ONG KONG		
	2022-		O Taiwan O		ONG KONG		
	2022-	04-05 02:34:56	O Taiwan Taiwan O	Strait - ENTRY	ONG KONG		
	2022- 2022 2022	04-05 02:34:56	O Taiwan O Taiwan O North A O	Strait - ENTRY	ONG KONG		

2. Universal counter in Custom Report

Another new feature is Universal Counter added to Custom Report. Users can now add new tile that counts the time during which signals meet certain conditions. This can be useful i.e. for counting working hours of specific system which helps in maintenance planning. Also the conditions can be set for multiple signals simultaneously. The values can also be calculated in a moving window, not only in selected range.

8.5 h Engine Running in last 24h	Signal: Add signal ME rot. speed X Condition Condition value 0 Save
Cancel	Back

3. Auxiliary Engine Low Load Alert

Another new feature is a visualization of alarm that is indicating Low Load of Auxiliary Engine. The onboard system checks if the power demand could be satisfied by smallest generator and therefore to avoid running generators on low load which may result in turbocharger failure. Whenever detected

onboard system informs the crew and also sends this information to the SeaPerformer Data Monitor (cloud).



4. Automatic values in Performance Charts

We've added automatic calculation of draft and trim to Power/RPM and Power/Speed charts in Performance graph. The default value will be the most frequent value in the selected time range. This will allow to quickly get a look on the performance of the vessel in most frequent sailing parameters, without the need to manually check the draft and trim of the ship. If the user wants to check performance for other values of draft and trim then the checkbox "Calculate most frequent draft and trim" should be unchecked and the values should be written in appropriate fields.

SEAPERFORMER	Vessel Fie	et 🚺 🧲
Overview Measurements Graphs Perform	ance Analysis Reports On Demand Rep	orts Settings 29:30
▼ Demo 3		Last signal received (UTC) : 2022-04-04 08:28:00
Power/RPM Power/Speed Ship Performance Logbool	Simple Performance Trending ME SFOC Kpi's	Power Decomposition
From To 2022-03-17 11:24 2022-04-04 11:24 Reference draft Reference trim 8 1.1	Change Record: 2754, filtered & c	ompietonem: 68.30 % (mitaing data period 2 days, 1 hours, 51 minutes)
Power/RPM service model (I5% SM)	ME Power layout	th ک
15k 105 — Power/Rpm model — Corrected interpolation ↑ 12.5k 87 ■ ME Power/RPM Steady • ME Power/RPM Steady ↑		
10k G 70 40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		and the second sec
5k 35	in the second	and the second se
2.5k 17	and a second	
0 0 10 20	0 40 50 60 RPM [l/min]	70 80 90 100 110 120

5. Changes in Fuel Consumption graph for Trip Simulator

In this version we've also changed the ME Fuel layout series in Trip Simulator. Now it corresponds to the fuel usage calculated on base of the time range selected by user instead of fixed consumption model used so far. ME fuel consumption curve is recalculated and visualized on chart whenever time range is changed.

SE	SEAPERFORMER					
Overview	′	Measurements	Graphs	Performance	Analysis	Reports
T De	en	no 3				
Trip Simula	ator	Voyage Summary	/ Ship Re	outing Speed pro	file	
- From 2022-		7 11:24 To 2022-0	4-04 11:24	μ		
	100 80 60 40 20	consumption curve		iyout [t/day]		
	J	0 5	10	15 20 SOG [kn]	25	30

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6. Minor fixes

This point contains some minor improvements in user interface of the application as well as some fixes. These are related to charts clarity, simplification of views and internal data processing optimization. Each new version of the application contains some corrections and improvements thanks to the feedback from the users and internal tests. This release contains the following fixes or improvements:

- fix in Manual Inputs pdf generation,
- fix in Custom Filters,
- adding Smart Data Selector to Voyage Summary,
- simplification of Ship Routing user interface,
- adding select/copy feature to measurement tables,

7. Troubleshooting

Availability of new features on particular vessel may depend on specific data or signals. Should any of above mentioned features be unavailable for your vessel please contact our support team at support@e-vesseltracker.com.

In case of problems with visualization, please try to refresh SeaPerformer site without cached files. Depending on user system:

- Windows: SHIFT + F5;
- Mac/Apple: Apple + R or command + R;
- Linux: F5.

If this doesn't help, try the solutions below:

Chrome browser

- Click F12 to open developer console;
- Go to Network Tab;
- Make sure that the Disable Cache checkbox is checked;
- Refresh the site with developer console opened.



Firefox browser

Clear the ca	che				
1. Click the menu l	1. Click the menu button \equiv and choose Options .				
2. Select the Adva	2. Select the Advanced panel.				
3. Click on the Net	3. Click on the Network tab.				
4. In the Cached V	Veb Content section, click Clear Now .				
☑ General Q Search Image: Content Content ▲ Applications ∞ Privacy ▲ Security ▲ Sync ▲ Advanced	Advanced General Data Choices Network Update Certificates Connection Configure how Firefox connects to the Internet Settings Cached Web Content Settings Your web content cache is currently using 350 MB of disk space Clear Now Override automatic cache management Umit cache to 350 MB of space				
5. Close the <i>about</i>	<i>preferences</i> page. Any changes you've made will automatically be saved.				