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Fleet Asset Management

Maximum Profit by Minimum Planning

April, 2017







Performance is all that matters and that is what Fleet Asset Management is all about



Brad Pitt





Old "Russian" lady

Einstein or Marylin Monroe

WELL-KNOWN ISSUES?











Fleet Asset Management ("FAM") through EXASITE® Voyage Online Tool supported by latest and timely analytics with Weathernews big data

- WNI continuously receives data from vessels monitoring demonstrated performance in real-time
- Through EXASITE[®] Voyage online tool, WNI provides several modules to process and analyze the immense amount of data assembled.
- Data is used evaluate and report on the actual performance of the each vessels, at all speeds, against the ratings that were obtained from the shipyard.
- Individual Performance Curves are updated on a daily basis and can be accessed any time.

FLEET ASSET MANAGEMENT – AT A GLANCE



Service Menu	Service Period	Target	Client's Value	Content
Fleet Asset Management	Anytime anywhere	Benchmark	 (a) Fleet performance analysis based on QRT reports (b) CP warranty analysis DB for re-T/C in 	 #3 QRT Alert #5 Performance Evaluation #10 Daily Performance Management #13 All Weather Performers Finder #11 Voyage Performance Evaluation #14 CP Warranty based Performers Finder

NOTES

- FAM contents are generated based on WNI QRT reporting system.
 WNI analysis are only as good as the input received
 WNI suggest intensive Quality Control of vessel reported data by clients.
- WNI QRT is preferred reporting format; External reporting data is converted to QRT format.
- Past 6 months data are to be updated at installation lapse time about 1 week.

FLEET ASSET MANAGEMENT – SERVICE MENU



#	Service Menu	Content	How it can help you
#3	QRT Alert	 Ship report monitoring by ship / group and calendar Missing report(s) Ship reports provided in an irregular order, such as "NOON – Departure – Arrival". Missing report item(s) Reported values over threshold range set up by users 	 Exception handling Fleet Asset Management output quality depends on ship reports quality – (a) data availability and (b) data accuracy, QRT Alert is designed to assist clients to have good quality ship reports in real-time Link to "Daily Performance Management"
#5	Performance Evaluation	 Model-based performance evaluation based on ship reports database (menu #10). Performance curves of Speed vs. RPM analysis Fuel Consumption vs. RPM analysis Speed vs. Fuel Consumption analysis. Speed and Fuel Consumption performance table at each MCR%, RPM Multiple ships, multiple periods comparison with ship maintenance events. 	 Ship-specific performance evaluation Speed and Fuel Consumption performance table at each MCR%, RPM can be used in voyage estimate. Multiple periods comparison of a ship can be used to measure effects of maintenance (dry-dock, underwater cleaning, engine repair, etc.) Latest performance assessment with quick operations.
#10	Daily Performance Management	 Reports archive and display supporting spreadsheet and charts. Alerts issued when missing information or suspicious information found (e.g data exceed thresholds) Ship reported data can be modified and used in ship performance analysis of other menus in FAM. Ship reported weather/seas as well as WNI objective weather and sea values relative to to ship reports. 	 Ship reports database with accuracy ➢ Objective ship/fleet performance analysis and comparison based on objective weather/sea analysis data. ➢ FAM support optimum fleet allocation planning based on FAM application with ship reports database.

FLEET ASSET MANAGEMENT - SERVICE MENU CONT.



#	Service Menu	Content	How it can help you
#11	Voyage Performance Evaluation	 Voyage summary under all weather conditions as well as good weather (BF4) conditions with performance relevant items. Day-to-day ship reports display 	Quick review of each voyage
#13	All Weather Performers Finder	 Real-time ship demonstrated speed and consumption analysis under all weather conditions as well as user- defined good weather conditions. Performance analysis with Weathernews' objective weather/sea analysis data. Filtering function with RPM range, speed range, Displacement/Draft range. 	 Find good "performers" under all weather conditions Once good performers found charterers should negotiate with ship owners to extend charter periods. Once poor performers found, charterers should ask ship owners for better maintenance. FAM data can be shown to charterers to maintain good TC business with and extended charter periods.
#14	CP Warranty based Performers Finder	 Voyage Audit Report analysis data database with report download. Users can input their findings and rating, which can be shared among company colleagues. Filtering function to find your required performers. 	Pick up good performers from past voyage records





Voyage Audit Report

CP Warranty Analysis

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CP Warranty based Performers Finder (#14)

- Day-to-day ship reports, as well as Weathernews' verified weather data.
- Data fields highlighted in red indicate missing relevant data.
- Super-user assigned by client may modify data by double-clicking on the preferred data fields, and inputting correct figures.

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- Also super-users can set up max/min threshold values in order to detect incorrect/suspicious reported data.
- Modified data reflected in "Performance Evaluation", "All Weather Performers Finder", "Voyage Performance Evaluation."

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-	204-0.26	1200	1.1										_					_			3	24

PERFORMANCE EVALUATION (#5)

Single Vessel Analysis

Analysis charts included are:

- Daily Fuel Oil Consumption vs RPM
- Daily Speed vs. RPM
- Fuel Oil Consumption vs. Speed

Speed and consumption analysis table at each MCR (%) and RPM is also included

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Multiple Vessel Analysis

Multiple vessels can be compared on the charts and table with your preferred analysis parameters

PERFORMANCE EVALUATION (#5) CONT.

Period 1 (2012/07/07 ~ 2012/07/11) [4/4] Period 3 (2013/12/21 ~ 2016/05/10) [198/303]

Performance Table

									CSV CSV	file down	nloa
MMCR (%)		1	88.6	84.4	80.2	76.2	72.3	68.6	655(1)	61.5	5
RPM				.120						108	
	Period 1	3	14.1	13.9	13.6	13.4	13.2	12.9	12.7	12.5	1
	Period 2	9	14.7	14.4	14.2	14.0	13.7	13.5	13.2	13.0	1
	Period 3	4	15.2	15.0	14.7	14.5	14.2	14.0	13.7	13.5	1
	Period 1	4	45,1	43.0	40.9	38.8	36.8	34.9	33.1	31.3	2
M/E FOC (mt)	Period 2	3	37.4	35.6	33.9	32.2	30.5	29.0	27.4	26.0	2
	Period 3	2	34.4	32.8	31.2	29.6	28.1	26.6	25.2	23.9	2
			-	-							

Period 2 (2012/07/12 ~ 2013/12/11) [142/199]

Ship Na	me:				
Category	Date	Remarks	Update Time	Editor	Edit
O Add	Schedule				
Dry Dock	2011/07/03 ~ 2011/07/14	Ras Laffan	2013/03/18		00
Engine Repair	2012/07/07 2012/07/07	Off Colombo ME repair	2013/03/18		00
Under Water Hull Cleaning	2012/07/11 2012/07/12	UWC Singapore	2013/03/18		00
Dry Dock	2013/12/11 ~ 2013/12/21	DD at Naikai	2014/01/09		08

Multiple Periods Comparison with Maintenance Effect Analysis

Multiple periods divided by ship maintenance (input by users) can be compared on the charts and table.

Independent performance curves are generated based on user-provided data (e.g. CP pairings, sea trial data, etc.), and compared with QRT-based performance curves.

Multiple correlation of RPM/Speed/Fuel consumption provided by users will be input by WNI to shown with each vessel's performance

Support analysis of preferred ship name(s) and time period, for calculating demonstrated speed and consumption using filters. Users can open up each vessel's Daily Details spreadsheet - Daily Performance Management - by selecting respective ship name.

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	-	Capat		- Arr	ing .				3	All Westline	Ê					9	Good Weath	.				All Ylleadha Targat - Act
Dop flare	#Code	-	Destina	111	Data/Tone	La	#1 F2	AE FO	00/00 14.3	Speed	Distance	Time	# ut Reports	ME FO	44 70	00/00 ULS	Speed	Dimes	Term	# uf Reports	HE+HE FD	DOIGO ULS
	1.002	terros .	25.00	ADDRYTS BANK	25/6-7		25.01	3.05	4.00	12.12				17.21	0.00	3.20	1225	1				
	-	NUMPER OF	25/8-7	ees.	2549-5		71.88	±.00	1.90	12.38				22.71	0.00	3.20	12.73					
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Selection ship name(s) or ship type data can be used with additional filtering parameters and threshold values to perform revised analysis

a production of the second sec	5 : 0 · (MT) CH	to - 1xt Noon r 3	: 12 hours 5	bon - Noon : - 2	22 hours (Car	Non Arra 2	12 hours					
d Weather : Wrid I	FCMAL S.+1	Current (WNI) :	÷.									
y details data can be	downloaded by a	sicking on your ;	preferred ship	parte rise.	* 0	HONE TES	Techy Crit	Dow	nited			
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Ship Name 1	OWI -											
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		10.45	7.22	2,43	13.53	11	22.43	22	0.45	13.53	30	
WNISHEP 32	45366	10.44										
WRISHEP 32 WRISHEP 35	45355	26.45	1.70	8.62	142	25	26.39	1.78	6.63	14.4	20	
WNESHEP 32 WAESHEP 35 WAESHEP 31	46866 46846 46846	26.45 26.41	1.70	8.63 8.1	14.2 12.42	25 34	26.39 26.52	1.78 2.07	0.03 0.12	14.4 12.57	20 12	
WRITERP 32 WRITERP 35 WRITERP 31 WRITERP 30	45545 45545 45545	26.45 26.41 24.26	1.70 2.05 1.8	8.63 6.12	14.2 12.42 12.67	25 25 4	26.39 26.52 24.12	1.78 2.07 1.8	0.03 0.12 0.12	14.4 12.57 12.45	20 12 36	
WRITENDP 32 WRITENDP 35 WRITENDP 31 WRITENDP 30 WRITENDP 33	40065 46545 46545 46547 46547	26.45 26.41 26.24 24.24 24.21	1.70 2.05 1.8 1.98	8.63 8.12 6.12	14.2 12.42 12.47 11.99	23 24 49 28	26.39 26.52 26.12 26.05	1.78 2.07 1.8 1.99	0.03 0.12 0.12 0.12	14.4 12.57 12.45 12.01	20 12 36 23	

The analysis table is made for All Weather / Good Weather conditions.

The overall analysis, as well as daily ship reports, can be downloaded on demand

		reset			reset			ion Warrang reset
	⊕ Ship Name ◎ Ship Ty	ре		C Last 3 months		Speed (kts)		·
hip Name				* Last 6 months			@ Full Speed	D Eco Speed
	Max : 10 vessels		Period	Clast 12 months		FO (mt/day)	-	-
				C From / To Dates		DO (mb/day)		·
				· · · · · · · · · · · · · · · · · · ·	2			
			Voyage Number / Code					
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Selection ship name(s) or ship type data can be used with additional filtering parameters and threshold values to perform revised analysis

g	Filtering Set-up	CP V	larranty	1	-									
	Ship Type : Tanker [5] Period I Last 6 months Wind BF : \$ 5 055 Speed : Pull Speed (kts	ip Size : Par Loading : U S Current	namax (+ 8 iden 1	cooo) (Year o	ef Build i 200 Chai	8/1 · 2014/1		ti M		Downlo		j;		
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1		57991	13.20	13,30	14.0	32.34	32.35	32,4		(0)	(0)			
2		56047	12.12	12.12	12.5	24.88	26.53	25.0	٠					
3		55614	11.74	12.30	14	27.42	29.04	32.8						
q		58730	12.21	12.58	14.0	29.48	29.97	32.8						
5		57905	13.70	12.80	14	30.00	29.88	32.8						
8		55612	11.39	11.33	13	26.20	25.63	26.4						
ż		56111	13.10	13.70	14.0	29.97	29.98	30.0						

Vessel List showing extracted vessels with 'Charter Party Warranty Analysis' and 'Internal Information Sharing'. Selecting a specific ship name reveals vessel's performance history.

Voyage Audit Report download

ovage Audit Report

On 'Vessels List' page visualizes each vessel's warranted performance as it compares to the rest of the fleet.

"Chart" support zoom in on preferred vessels and/or speed/consumption range. Download past Voyage Audit Report (VAR) for EXCEL format and VAR reports.

Fleet Asset Management by WNI support Fleet performance analysis and benchmarking including CP warranty analysis anytime and anywhere using

- #3 QRT Alert
- #5 Performance Evaluation
- #10 Daily Performance Management
- #13 All Weather Performers Finder
- #11 Voyage Performance Evaluation
- #14 CP Warranty based Performers Finder

REMEMBER:

Even the best performer may fail, however, using FLEET ASSET MANAGEMENT takes away the uncertainty of guesswork

For any question, you are welcome to contact:

Weathernews Europe Tuborg Boulevard 5 DK-2900 Hellerup, Denmark

Alex Schmidt Hansen Mobile: +45 2990 7891 Mail: <u>alexh@wni.com</u>

Supporting material

1. Daily performance management (1/4

New menu: For each vessel, you can see the list of all departure, arrival and noon reports,

archived together with Weathernews verified weather data.

These data are then used by other menus to calculate the vessels performance.

All data can be downloaded in Excel or CSV format by clicking on "Download".

Vessel N	lame :										Threshold	Downio	ad Char	t O	Setting	
Туре			Voyage Number				L/B	Distance Reported (nm)	Time Reported (hrs)	Speed Reported (kts)	Instructed Speed (kts)	[Diff] Report - Instructed (kts)	Daily Perf. Spd (kts)	[Diff] Perf. Spd - Inst (kts)	Ship Heading	
DEP	2016-06-14	0900	1606	35-59N	120-28E	YANGSHAN TERMINAL	Laden				12.5			°		*
NOON	2016-06-15	0400	1606	32-55N	122-52E	YANGSHAN TERMINAL	Laden	240	19.0	12.6	12.5	0.1	12.7	0.2	180	
ARR	2016-06-15	1900	1606	30-27N	122-40E	YANGSHAN TERMINAL	Laden	167	13.5	12.4						Γ
DEP	2016-06-17	1000	1607	30-32N	122-19E	ZHUHAI	Ballast				12.5			0.000		
NOON	2016-06-18	0400	1607	27-30N	121-38E	ZHUHAI	Ballast	227	18.0	12.6	12.5	0.1	12.7	0.2	216	
NOON	2016-06-19	0400	1607	23-40N	117-54E	ZHUHAI	Ballast	311	24.0	13.0	12,5	0,5	12.7	0.2	226	
ARR	2016-06-20	0400	1607	21-44N	113-23E	ZHUHAI	Ballast	278	22,0	12,6						
DEP	2016-06-23	0400	1607	21-51N	113-13E	SINGAPORE	Laden				12.5					
NOON	2016-06-24	0400	1607	17-16N	111-19E	SINGAPORE	Laden	302	24.0	12.6	12.5	0.1	12.7	0.2	211	
NOON	2016-06-25	0400	1607	12-37N	110-11E	SINGAPORE	Laden	297	24,0	12,4	12.5	-0.1	12.7	0.2	180	
NOON	2016-06-26	0400	1607	08-31N	109-27E	SINGAPORE	Laden	269	24.0	11.2	12.5	-1.3	12.7	0.2	200	
NOON	2016-06-27	0400	1607	04-45N	106-32E	SINGAPORE	Laden	286	24.0	11.9	12.5	-0.6	12.7	0.2	225	
ARR	2016-06-28	0242	1607	01-17N	104-04E	SINGAPORE	Laden	263	22,0	12.0						
DEP	2016-06-30	0630	1607	01-11N	103-49E	TANJUNG PELEPAS	Laden				12.5			1.777		
ARR	2016-06-30	0948	1607	01-11N	103-38E	TANJUNG PELEPAS	Laden	13	1.0	13.0						
DEP	2016-07-01	0336	1608	01-14N	103-32E	SINGAPORE	Laden				12.5			1.772		
ARR	2016-07-01	0448	1608	01-13N	103-36E	SINGAPORE	Ballast	9	1.2	7.2						
DEP	2016-07-01	1642	4												F	

1. Daily performance management (2/4

Data fields highlighted in red indicate missing relevant data.

You can modify data by double-clicking on the data fields, and inputting correct figures.

Modified data will then be reflected in the menu "2. Performance Evaluation".

Definition of the thresholds: Threshold values (max, min) can be set up to easily flag incorrect values.

Vessel N	lame										-	-	0.0	Thresho	id Download	Chart	O Sett	ng
Туре			peed ts)	CP FO (mt)	CP DO/GO (mt)	NM/Ton (nm)	Ton/NM (mt)	Fuel Efficiency (%)	Distance	Reported (nm)		Time Report (hr Wave Height (n	ad s)	Speed Report (k	red ts)	Other ULS (mt)		Slip (
DEP	2016-05-05	1330	1.0	30.0	0.10				M/E	FO (mt)	- 23	M/E DO/GO (m	t) -	M/E ULS (n	nt) -	0		· · · · A
ARR	2016-05-06	0742	1774			15.82	0,06		A/E	FO (mt)	-	A/E DQ/GO (m	t)		nt) -	0	98.9	11.3
DEP	2016-05-06	1518	1.0	30.0	0.10				Other	FO (mt)	c	ther DO/GO (m	t)	Other ULS (n	nt) -	0		
NOON	2016-05-07	1000	1.0	30.0	0.10	14.65	0.07		14/71	RPM		1.77	0			0	99.9	-4.5
NOON	2016-05-08	1000	1.0	30.0	0.10	15.34	0.07	50.63	19.55			0	ĸ			0	99.7	-11.
NOON	2016-05-09	1000	1.0	30.0	0.10	15.47	0.06	48.35	19.60	o		1.73	0			0	100.1	-14.
ARR	2016-05-09	1330		222				222	0	3.02		0	0,34			0	99.8	9,8
DEP	2016-05-11	1324	1.0	30.0	0.10											o		
NOON	2016-05-12	1100	1.0	30.0	0.10	13,62	0.07	37.54	18.29	o		1.53	0			0	101.6	-2.1
NOON	2016-05-13	1100	1.0	30.0	0.10	12.57	0.08	32.96	22.91	0		1.76	0			0	105.1	-2.4
NOON	2016-05-14	1200	3.0	30.0	0.10	13.96	0.07	42.82	21.88	0		1.76	0			0	103.3	-6.1
NOON	2016-05-15	1200	1.0	30.0	0.10	12,50	0.08	31.15	23.05	0		1.75	0			o	104.3	-3.1
NOON	2016-05-16	1300	1.0	30.0	0.10	10.66	0.09	21.87	25.84	0		1.83	0			0	104.7	6.1
NOON	2016-05-17	1400	1.0	30.0	0,10	10.85	0.09	30.43	23,59	0		1.75	0			0	102.4	10.3
NOON	2016-05-18	1500	1.0	30.0	0.10	11.86	0.08		24.71	0	(2227)	1.86	0			0	105.1	0.1
NOON	2016-05-19	1500	4															

1. Daily performance management (3/4

Selection of the data to visualise in "Settings":

- You can click and unclick the listed data fields and choose the ones you want to display.
- You have also the possibility to choose the period of time for which you would like to see the data (see the calendar on the screenshot below).

Type Date UTC Aftendo offendo offendo<	Vessel N	ame :											(1997) - Contra (1997)	Threshold	d Downioa	d	Cha	nt	0	etting		
DEP 2016-04-27 0600 0 Vagage Number Constraints Value Val				A/E FO (mt)	A/E DO/CO (mt)	A/E ULS (mt)	Other FO (mt)	Other DO/GO (mt)	Other-ULS (mt)				Check for all Clear for a	U • D	Period	1 201	5/Apr/0	01	2018/0	ct/24	rd	
NOON 2016-04-27 1900 0 1.00 0 0 10.0 0 110.5 17.62 1 1 2 3 4 NOON 2016-04-28 1900 2.20 0.60 0 110.5 0 111.9 24.00 1 2 3 4 5 6 7 8 9 10 11 NOON 2016-04-29 2000 2.20 0.60 0 111.9 24.00	DEP	2016-04-27	0600						o				Voyage Number Dest. Port Time Reported	1 1 L	at /B 11	Su	A Mo	pril . Tu	2015 We	, Th	Fr	Sa
NOON 2016-04-28 1900 2.20 0.60 Image: constraint of the state of the	NOON	2016-04-27	1900	0	1.00				D	110.6	17.62		 Infe Reported [Diff] Report - Instru Ship Heading 	cted ✔ D ✔ W	aily Perf. Spd Ind Dir (Relati	5	6	7	1 8	2	3	4
NOON 2016-04-29 2000 2.90 0 Image: constraint of the constraint of t	NOON	2016-04-28	1900	2.20	0.60				0	111.9	24.00	525	 ✓ Wind (WNI) ✓ Swell Height (WNI) ✓ Weather Factor (WNI) 	* 0 * 0	urrent Dir (WN urrent Factor ('	12 19	13 20	14 21	15 22	16 23	17 24	18 25
NOON 2016-04-30 2000 2.70 0 5.10 0 110.7 20.00	NOON	2016-04-29	2000	2.90	0				0	110.5	19.35		✓ Wind Dir ✓ Swell Dir ✓ Tetal DO/GO	* W	vell Height	26	27	28	29	30		
NOON 2016-05-01 2100 3.00 0 0.90 0 111.8 -5.00 A/E DO/GO -//E ULS -//E ULS <td>NOON</td> <td>2016-04-30</td> <td>2000</td> <td>2.70</td> <td>0</td> <td></td> <td>5,10</td> <td></td> <td>0</td> <td>110.7</td> <td>20,00</td> <td></td> <td>CP FO</td> <td> ✓ CI ✓ Fi </td> <td>P DO/GO uel Efficiency</td> <td></td> <td>1</td> <td>VM/Tor</td> <td>1</td> <td></td> <td>T.</td> <td></td>	NOON	2016-04-30	2000	2.70	0		5,10		0	110.7	20,00		CP FO	 ✓ CI ✓ Fi 	P DO/GO uel Efficiency		1	VM/Tor	1		T.	
NOON 2016-05-02 2100 2.70 0 7.50 0 111.6 -6.00 \checkmark Silp · Ouput · Draft KID · Draft KID<	NOON	2016-05-01	2100	3.00	0		0.90		0	111.8	-5.00		 A/E DO/GO Other DO/GO 	* A, * O	/E ULS /E ULS ther ULS		1	Other I RPM	0		R	
NOON2016-05-0322002.70010.0010.00110.9 -5.86 $$ $$ $$ OK $$	NOON	2016-05-02	2100	2,70	0		7.50		0	111.6	-6.00		 ✓ Slip ✓ Output ✓ Draft AFT 	SH SD SC	P raft FWD argo Weight			Thermi Draft I Disregi	al Load NID ard		R	
NOON 2016-05-04 2200 0.90 3.00 1.10 0.90 0 110.1 -6.27 </td <td>NOON</td> <td>2016-05-03</td> <td>2200</td> <td>2,70</td> <td>0</td> <td></td> <td>10.00</td> <td></td> <td>0</td> <td>110.9</td> <td>-5.86</td> <td></td> <td></td> <td>17271</td> <td>ОК</td> <td>112</td> <td>2</td> <td></td> <td></td> <td>120</td> <td>Te</td> <td></td>	NOON	2016-05-03	2200	2,70	0		10.00		0	110.9	-5.86			17271	ОК	112	2			120	Te	
ARR 2016-05-05 0100 0 0.40 Image: Constraint of the second of th	NOON	2016-05-04	2200	0,90	3.00		1.10	0,90	0	110.1	-6.27						-			disr	egard	
DEP 2016-05-08 2200 0 0 9 9 9 9 disregard NOON 2016-05-09 2200 0 17.70 9 9 9 9 0 disregard	ARR	2016-05-05	0100	0	0.40				0	108.6	13.04			10	10	1	0			disr	egard	
NOON 2016-05-09 2200 2000 2000 2000 2000 2000 2000 2	DEP	2016-05-08	2200						0					9	9	5	•			disr	egard	
	NOON	2016-05-09	2200	4 0.40	3 30				•	110.0	17 77									dies		•3

1. Daily performance management (4/4

Data can also be visualized in a chart format:

Example of graphics showing reported data for Speed and Total FO consumption:

 Ship reported values are shown on wind and wave charts in addition to Weathernews verified weather data.

2. Performance Evaluation (1/2)

This menu is an update of your existing "Performance Evaluation".

Ship speed and fuel consumption are analysed at each given RPM in calm sea conditions based on ship reported QRT data.

New features:

- Fuel consumption can be analysed for Main Engine and/or Auxiliary Engine.
 - You can design a
 "benchmark curve" and use it as a reference scenario to be compared to the actual performance of your vessels.
 For that, you need to send data to WNI (in a standard format provided by WNI), and WNI will add the benchmark curve in EXASITE.

Conditions Adopted in this Analysis:

Mode: Last 12 Months | Deviation Range: 50% | Ship Report Type: Raw + Real Time | Draft: ~ m Fuel Consumption:
Main Engine
Main Engine + Auxiliary Engine
All Weather:
Fair
Moderate Heavy Severe Load Condition:
Laden Ballast Both

Lighter colored graphs are based on less than 30 data points.

Benchmark in Speed graph and M/E FO consumption not available due to missing RPM.

WNI SHIP 2384 (2015/10/29 ~ 2016/10/28) [33/67]
 WNI SHIP 3369 (2015/10/29 ~ 2016/10/28) [22/28]
 WNI SHIP 2391 (2015/10/29 ~ 2016/10/28) [12/50]
 WNI SHIP 2303 (2015/10/29 ~ 2016/10/28) [32/55]
 Benchmark A (Ballast)

WNI SHIP 3003 (2015/10/29 ~ 2016/10/28) [11/37]
 WNI SHIP 3721 (2015/10/29 ~ 2016/10/28) [38/48]
 WNI SHIP 3301 (2015/10/29 ~ 2016/10/28) [26/56]

· · · · · · Benchmark A (Laden)

2. Performance Evaluation (2/2)

Single Vessel Analysis:

Analysis charts included are: Daily Fuel Oil Consumption vs RPM Daily Speed vs RPM Fuel Oil Consumption vs Speed

Speed and consumption analysis table at each MCR (%) and RPM is also included

Multiple Vessel Analysis:

Multiple vessels can be compared on the charts and table with your preferred analysis parameters.

3. All Weather Performers Finder (1/2)

New menu: As in general charter party good weather days are confined to 20-30%, this menu was created to assist you to look into your fleet's latest performance and to find "good performers under adverse weather conditions".

	Ships re	set	Period	reset	Sail	ing Condi	tion rese
hip Name	Ship Name Ship Type	Devied	 Last 3 mor Last 6 mor Last 12 mor 	nths nths	Speed (kts) RPM	103	- 108
	Max : 10 vessels	Voyage Number / Loading	© Last 12 mi © From / To Code © Laden © © Laden + B	Ballast	Output (%) Displacement (MT) Fore draft (m) Mid draft (m) Aft draft (m)		
		Weather Data Good Weather (u Wind BF s Seas Current	Weather Weathernews've up to & including) 5 • •	reset	Samp FO (MT) DO/GO/ULS (MT) Dep - 1st Noon ≥ Noon - Noon ≥	ole Data R 0 0 12 22	ange rese

3. All Weather Performers Finder (2/2)

The user can input the preferred ship name(s) or ship type, with other filtering parameters and threshold values. Clicking on the "Make Analysis" button provides the user with analysis figures.

d Weather : Wind	TH THAT - 2.41										
	the failed of the All	Current (WNI) ::	-								
								_	_		
y details data can b	ownloaded by d	licking on your p	preferred ship :	same row.	* 0.	Cside ECA	D Inside ECA	Down	nicad		
				Al Wester					Cd Micather		
Ship Name	t (im)	16	A/E	00/60 e	Aurel 1	Non. of a Report of	HE A		00,100 005 0		Rep. of Argonia
	10000	10.05	2.32	1.43	13.53	32	28.43	22	0.45	13.53	30
WNISHEP 32	40056	10.40	F1000								
WNISHEP 32 WNISHEP 35	40000	26.45	1.70	1.03	142	25	26.33	1.78	0.03	14.4	20
WRISHEP 32 WRISHEP 35 WRISHEP 31	40545 40545 40546	26.45	1.78	8.63 8.1	14.2 12.42	25 14	26.35 26.52	1.78 2.07	0.03	14.4	20 12
WNISHEP 32 WNISHEP 35 WNISHEP 31 WNISHEP 30	40545 40545 45545 40547	26.45 26.41 24.26	1.70 2.05 1.8	8.63 6.12	142 12.42 12.47	25 34 40	26.39 26.52 24.12	1.78 2.07 1.8	0.03 0.12 0.12	14.4 12.57 12.45	20 12 36
WRISHEP 32 WRISHEP 35 WRISHEP 31 WRISHEP 30 WRISHEP 33	40545 40545 40547 46547	26.45 26.45 26.41 24.26 24.01	1.78 2.05 1.8 1.98	1.03 1.1 1.12 1.12	142 12.42 12.47 11.99	25 14 40 25	26.39 26.52 24.12 34.05	1.78 2.07 1.8 1.99	0.03 0.12 0.12 0.12	14.4 12.57 12.45 12.01	20 12 36 23

The analysis table is made for All Weather / Good Weather conditions.

The overall analysis, as well as the daily ship reports, can be downloaded in Excel format by clicking on vessel names.

4. Voyage Performance Evaluation (1/3)

New menu: Utilizing ship reports, this menu allows you to get a **summary of the performance of the vessels for each voyage**, in <u>good weather conditions and all weather conditions</u>.

The user can input the ship name(s) and time period in the filtering panel.

Clicking on the "Make Analysis" button provides the user with a summary table with filtered ships and analysis values.

Daily Performance						
Hanagement		Ships	reset	Pe	riod	reset
Performance		Ship Name Ship	Туре		🖯 Last 3 mo	nths
Evaluation	Ship Name		1	Desized.	Last 6 mo	nths
K Maintenance Records		Max : 10 vessels		Period	From / To	Dates
Linux a r		ULTRA LETIZIA	<u> </u>			1
All Weather Based		ULTRA COLONSAY		Voyage Number / Cod	e	
CP Warranty Based						
Voyage Performance O Evaluation						
120						
	Chin Crown					
	Ship Group					
			Make	Anabasia		

4. Voyage Performance Evaluation (2/3)

For each vessel, the user can see the list of voyages performed during the selected period of time, as well as the performance of the vessel during these voyages.

If you click on the vessel name, you will be redirected to the menu *"1. Daily performance management"*, where you can see the list of all noon reports of the vessel.

Filf	ering Good We	Set-up	ent : ALL , B	F ≤ 4	۲	OutsideEC/	A 🔍 Insid	leECA							D	ownload	0	Setting	
		d		Depa	irture	Arr	ival				I	All Weathe	۲.					Gr	ood V
		Ship Name	Voyage Code	Port	DateTime (UTC)	Port	DateTime (UTC)	L/B	Speed	M/E FO (/day)	A/E FO (/day)	A/E DO/GO/ ULS (/day)	ME RPM	ME Output %	#of Report	Speed	M/E FO (/day)	A/E FO (/day)	A D6/ U (/(
			51 L	SAN LORENZO	2016-08-01 09:00	PORT ELIZABETH	2016-08-17 14:06	Laden	10.4	19.67	1.94	-	95.3	8	16	10,4	19.67	1.94	
			51	PORT ELIZABETH	2016-08-18 05:48	SINGAPORE	2016-09-07 09:42	Laden	11.0	19.35	1.97	0.01	96.8	-	22	11.0	19.39	1,98	0
		MEDI	051 L	SINGAPORE	2016-09-08 11:30	CAI LAN	2016-09-13 04:48	Laden	11.5	19.68	2.03	0.00	96.7	9	5	11.7	19.69	2.07	0
	*	OKINAWA	052 L	CAI LAN	2016-09-21 16:48	TAICANG	2016-10-13 20:24	Laden	11.9	18.97	1.84	0.00	96.5	S	14	12.0	19.03	1.85	C
			V.201663	TAICANG	2016-10-18 01:48	BALBOA		Laden	10.7	23.67	2.09	0.04	96.4		4	10.7	23.67	2.09	0
					Tota	ıl			11.1	19.62	1.94	0.01	96.3	2	61	11.1	19.67	1.95	0
									•										1

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You can also download the data in **Excel format** by clicking on the symbol next to the ship name.

								Voyage	e Number		v	.201663		052 L		051 L		51	51 L
								Depart	ture Time		2016	-10-18 01:48	201	16-09-21 16	:48 2	2016-09-08 1	1:30	2016-08-18 05:48	2016-08-01 09:0
								Arriv	al Time			-	201	16-10-13 20	:24 2	2016-09-13 0	4:48	2016-09-07 09:42	2016-08-17 14:0
					/			Depar	ture Port		т	AICANG	1	CAI LAN		SINGAPOR	RE	PORT ELIZABETH	SAN LORENZ
								Arriv	al Port		YA	NGZHOU		-		-		-	-
								Loading	Condition			Laden		Laden		Laden		Laden	Laden
									Dis	stance		-	┢	3788		1285		5302	3772
									1	lime		-		318.9		111.5		480.2	361.0
Filtering	Set-up								s	peed		-		11.9		11.5		11.0	10.4
									FO	(Total)		-		275.69		98.54		407.76	325.48
Good We	ather : Curr	ent: ALL, B	F ≤ 4						FO	(/day)		-		20.75		21.21		20.38	21.64
			/	۲	OutsideEC/	A O II			DO/G	O/ULSFO Total)		-		-		-		-	-
-		-							DO/Ġ	O/ULSFO (day)		-		-		-		-	-
			Depa			ival			M/E F	O (Total)		-		252.02		91.43		387.22	295.81
	Shin								M/E F	O (/day)		-		18.97		19.68		19.35	19.67
	Name	Code		DataTimo		DataTi	All M/s	athor	A/E F	O (Total)		-		24.50		9.43		39.42	29.18
			Port	(UTC)	Port	(UTC	0.00	caurier	A/E F	O (/day)		-		1.84		2.03		1.97	1.94
									Weath	er Factor		-		0.7		0.4		0.1	-0.8
	/	511	SAN	2016-08-01	PORT	2016-08			Curre	nt Factor		-		0.1		0.0		-0.3	0.2
		JIL	LORENZO	09:00	ELIZABETH	14:06			Perform	ance Speed		-		11.1		11.1		11.2	11.0
		F.1	PORT	2016-08-18	CINCADODE	2016-09			A/E DC	D/GO/ULS Total)		-		-		-		-	-
		51	ELIZABETH	05:48	SINGAPORE	09:42			A/E DO	D/GO/ULS (day)		-		-		-		-	-
		0511	GINICADODE	2016-09-08	CATLAN	2016-09			ME	RPM		-		96.5		96.7		96.8	95.3
	MEDI	051 L	SINGAPORE	11:30	CAI LAN	04:48			ME	Output		-		-		-		-	-
Ľ	OKINAWA	052 L	CAI LAN	2016-09-21 16:48	TAICANG	2016-10-1 20:24	³ Laden	11.9	18.97	1.84	0.00	96.5	8	14	12.0	19.03	1.85	0.0	
		V.201663	TAICANG	2016-10-18 01:48	BALBOA	÷	Laden	10.7	23.67	2.09	0.04	96.4	×	4	10.7	23.67	2.09	0.1	
				Tota	al			11.1	19.62	1.94	0.01	96.3	4	61	11.1	19.67	1.95	0.(
								•											

Vessel Name : Ship A

Maintenance Record

Lighter colored graphs are based on less than 30 data points.

Benchmark in Speed graph and M/E FO consumption not available due to missing RPM.

Period 1 (2011/03/18 ~ 2012/03/18) [13/38]
Period 3 (2014/11/12 ~ 2017/01/05) [259/528]

Conditions Adopted in this Analysis:

Period 2 (2012/03/26 ~ 2014/10/29) [354/574]

%MCR (%)			35.6	38.0	40.5	43.2	45.9	48.8		54.9	
RPM		10	90	92	94	96	98	100	102	104	106
	Period 1	1	11.4	11.6	11.9	12.1	12.4	12.6	12.9	13.1	13.4
Speed (kts)	Period 2	0	11.2	11.5	11.7	12.0	12.2	12.4	12.7	12.9	13.2
	Period 3	3	11.6	11.8	12.1	12.4	12.6	12.9	13.1	13.4	13.6
	Period 1	7	14.6	15.6	16,7	17.7	18.9	20.1	21.3	22.6	23.9
M/E FOC(mt)	Period 2	7	14.7	15.7	16.7	17.8	19.0	20.2	21.4	22.7	24.0
	Period 3	3	14.3	15.3	16.3	17.3	18.4	19.6	20.8	22.0	23.3

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This menu is an update of your existing "CP warranty analysis" menu.

Utilizing VAR (Voyage Audit Reports), this menu picks up vessels meeting the different filters you set up (ship name, ship type, ship size, period of analysis, loading, wind BF, current, speed, etc.) and shows:

* the average speed and consumption during your specified period

* your colleagues comments

Ship Name Ship Type Ship Name Max : 10 vessels Max : 10 vessels Period Image: CP Good Weather Definition reset Wind BF Ship Group Image: CP Good Weather Definition reset Waves Image: DSS Image: Maxee Height s Image: CP Good Weather Definition reset Image: Wave Height s Image: CP Good Weather Definition reset	ion Warrant res	& Consumption	Speed	reset	Period		reset	Ships	
Ship Name • Last 6 months • Last 6 months • Foll Speed • Form / To Dates • From / To Dates • Do (mt/day) • Do (mt/day) • •	-	-	Speed (kts)		Cast 3 months			🖲 Ship Name 🗍 Ship Type	
Max : 10 vessels Period © Last 12 months FO (mt/day) - © From / To Dates - O (mt/day) - Voyage Number / Code	Eco Speed	Full Speed			Last 6 months]		hip Name
Norder (m) Norder (-	-	FO (mt/day)		Cast 12 months	Period		Max : 10 vessels	
voyage Number / Code Loading ● Laden ● Ballast Dep. Port Arr. Port CP Good Weather Definition reset Wind BF ≤ 5 ▼ Waves ● DSS ● Meter DSS ≤ ▼ Wave Height ≤ ● Unrent →	-	-	DO (mt/day)		From / To Dates				
voyage Number / Code Loading ● Laden ◎ Ballast Dep. Port Arr. Port CP Good Weather Definition Teset Wind BF ≤ 5 ▼ Waves ● DSS ◎ Meter DSS ≤ ▼ Wave Height ≤ 「 Wave Height ≤ 「 Wave Height ≤ 「					-				
Loading ● Laden ● Ballast Dep. Port Arr. Port CP Good Weather Definition reset Wind BF S ▼ Waves ● DSS ● Meter DSS S ▼ Wave Height Current					e	Voyage Number / C			
ip Group ▼					🖲 Laden 🔘 Ballast	Loading			
ip Group ▼						Dep. Port			
CP Good Weather Definition reset Wind BF ≤ Waves ● DSS ● Meter DSS ≤ Wave Height ≤ Current						Arr. Port			
wind BF ≤ 5 ▼ Waves ● DSS ◎ Meter DSS ≤ ▼ Wave Height ≤ (m) Current ▼				reset	Weather Definition	CP Good			
hip Group ▼ Waves ● DSS ◎ Meter DSS ≤ ▼ Wave Height ≤ (m) Current ▼					5 🔹	Wind BF ≤			
nip Group ▼ DSS ≤ ▼ Wave Height ≤ (m) Current ▼					DSS 🔘 Meter	Waves			
nip Group Vave Height <					•	DSS ≤			
nip Group Current T					(m)	Wave Height ≤			
					¥	Current			ip Group
All Ships				_				All Ships	
test Make Analysis Cancel					sis Cancel	Make Ana		test	

Window showing the results in a list format, based on your filtering options:

Key improvement: Possibility to filter voyage according to CP Full Speed or CP Eco Speed.

	Filtering Set-up	CPV	Varranty										
	Ship Type : Tanker S Period : Last 6 months Wind BF : ≤ 5 DSS : Speed : Full Speed (kt	hip Size : Par Loading : L ≤ Current	namax (- 8 aden :	0000) Year (List	of Build : 200	8/1 - 2014/1 t				Downloa	ad		
				C	harterparty V	Varranty Ana	alysis			Internal	Informatic	n Sharing	
	Ship Name 🔺	DWT 🝦	Perf	ormance Spec	ed (kts)	ĺ	Daily FO (MT/d		Ons	Tech	l egal	Finance	Comment
			All Wx 👙	Good Wx 🔶	CP 🔶	All Wx 👙	Good Wx 👙	CP 🔶		- August	and a set	- in an encour	
1	Ship 32	57991	13.20	13.30	14.0	32.34	32.35	32.4					^
2	Ship 11	56047	12.12	12.12	12.5	24.88	26.53	25.0	•				
3	Ship 21	55614	11.74	12.30	14	27.42	29.94	32,8					
4	Ship 43	58730	12.21	12.58	14.0	29.48	29.97	32.8					
5	Ship 30	57905	13,70	12.80	14	30.00	29.88	32.8					
6	Ship 10	55612	11.39	11.33	13	26.20	25.63	26.4					
,7 ,	Ship 17	56111	13.10	13.70	14.0	29.97	29.98	30.0					

Window showing the results in a chart format, based on your filtering options:

Each dot on the chart represents a ship. You can zoom in on preferred vessels or speed/consumption range.

If you click on a vessel name, the page below opens and you can see the the history of voyages of this vessel, and download VAR. This page is very similar to the one you have today.

A few key improvements:

- Separation between Inside ECA / Outside ECA
- Possibility to add comments (Ops, Tech, Legal, Finance)

								I	nterna	l Share	Infor	matio								
	Filterir	ıg Set-uj	CP Warranty					Yo	ur comr _{Team}	nent _{Scor}	e				Con	iment				
	Sl	hip Name sis Period	: 2016/01/31 - 2016	Search	2 me) Operatio) Technica) Legal) Finance	ns O al O	inpu	it your d	comment						Save	
Good It ca	weather be conf	definition firmed in ea	employed on each voyage may ach report and/or CP Warranty A	vary. Analysis History table to be dowr	loaded.				History _{Date}	(UTC)	Tear	n Score	8			Findings			PIC	*
Los	s / Savi	ing Total	Time: 34.6 hours say	ving , FO: 16.56 mt savin	ng , DO: 7.56 mt saving			1.1							No	Data				
God	d Weat	ther Anal	ysis Summary												_					
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	ş	peed	FO DO RPM S	lip(%) Speed DO	RPM Slip(%)													1		
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÷	-	в	NING DE	2016/07/23T04:00:00	SURIGAO	2016/07/26T22:00:00	12.7	0.0	13	24.00	0.0	23.6	•	0	0		R			
*	091	L	17.35N 124.50E	2016/07/02T05:45:00	NINGDE	2016/07/04T06:30:00	12.5	12.9	14	32.14	32.24	32.8					R			
*	091	L	SURIGAO	2016/06/30T09:00:00	17.35N 124.50E	2016/07/02T05:45:00	11.9	0.0	13.00	24.50	0.0	26.60					B			
÷		в	NING DE	2016/06/14T09:00:00	SURIGAO	2016/06/18T00:30:00	13.3	14.0	14.5	26.53	32.42	33.5					R			
*		L	SURIGAO	2016/06/04T05:48:00	NING DE	2016/06/08T09:24:00	11.1	11.5	12.0	24.59	24.57	25.0					R			
÷	000	в	19.84N 115.14E	2016/05/19T04:00:00	SURIGAO	2016/05/21T23:12:00	14.0	14.2	14.5	31.85	32.16	33.5				0	R			
	090	U						1.416	2								And a second			

Users can **download** past Voyage Audit Report (VAR) records in **EXCEL format** by clicking on *"Download"*, as well as VAR reports by clicking on the little symbol on the left next to each voyage.

WW weathernows down with your												
NUCCESSION OF THE TRANSPORT												
Voyage Audit Report												
WWI Truck Sectors SocI140205 200216 Data September 16, 2014			CD Warranty Analysis History									
Vessel Nave		-	Ship Name									
Programed for:			onp name									
Departum PEPEL Petrany IE 2814 0 08/VE Annuel GNECIAD Rent 34 2014 80 09/VE Manuel 6			Loss / Saving Total	-								
Start Type Buck CAPILED Looking Continues Later			Time FO	00								
			34.6 hours saved under-consumed u	nder-consumed								
1. Speed and Consumption Warranty & Good Weether Definition Warranted Speed about 14 DD Knots			Good Weather Analysis									
Warnander FO Consumption: about 57.00 MTIoby Management CO1800 Consumption: 0.0 MTIOby			Outside ECA	Inside ECA								
Good Weather Defention. Weid lock Beautor Force 4, Significant wave height 1.5			Speed FO DO	RPM Slip (%) Speed DO RP	M Slip (%)							
2. Speed and Comunation Calculation			Ballast 13.95 29.04 0.07 1	38.72 7.74								
PEPEL (Pebruary 5, 17:00 UTC) - 21-10.05 57-39.82 (Pebruary 25, 16:33 UTC)			Laden 11.75 25.94 0.05	02.9 18.96								
First Diff. 1997 A March Lott. First DB 1997 Town survey plane Tower Taxes and Tax DF 1997 A March Lotter and A March Lotter an		2	CP Warranty Analysis History									
21-10.05 57-39.0E (Felmany 25, 16:00 UTC) - GIMSOAO (March 24, 95:30 UTC) (Economical apend)			Voyage Informatic	n Loss/Saving (N	inus: Saving)		Good	Weather Analysis &	Entire Voyage Analysi	S		Good Weather Definition Speed
Terre Land 42.2 Hours Land Field Sk. 19.2 Million Construction			L/B Voy# Eco Dep Port	ATD Arr Port ATA Time FO (mt) DO (mt) Anal	ysis Dist (nm) Time (hrs)	Avg Weath Speed Facto	er Current Per r Factor Spei	f RPM SLIP	FO Total DO T (mt) (m	fotal Daily FO Daily [it) (mt) (mt)	O Wind (BF) Seas (m) Current Speed (kts)
Diesel/Cas Ol No Over-consumption / Saving			B U NING DE 2	16/07/ T04:0 SURIGA 2016/07/ 26122:0 0 0	0 Wea	od 0 0	0 0	0	0 0		0 0	4 2 NonAdv 13
The following speed and consumption warranties are applied for this period. Warranted Speed and consumption warranties are applied for this period.				0:00	Voy	age 1131 90	12.6 0.2	12	7 100.2 12.8	j 90.01 0.1	19 24 0.05	
Wonseted FO Consumption: about 40:00 MTXbay	Filtering Set-up CP Warran	nty	L 91 U 17.35N 20 17.35N 03	16/07/ 2016/07/ T05:4 NINGDE 04T06:3 2.2 0	-0.19 Wea	ther 614 46.3	13.3 0	12.	9 114.5 19.84	62.2 0.1	18 32.24 0.09	4 2 NonAdv 14
Consumption:	-			500 0:00	Voy	age 644 48.8 od o	13.2 0.3	12	5 114.5 20.19	/ 65.35 0.2	21 32.14 0.1	1 0 North 10
•	Ship Name :	Searc	L 91 E SURIGA 3	T09:0 17.35N 2210077 T09:0 124.50E 5:00	0 Wea	ther 0 0	113 0.1	11	0 1001 210	3 4574 01	17 24.5 0.04	4 Z. WOTHOV. 13
\backslash	Analysis Period : 2016/01/31 - 2	2016/07/29	20	16/06/ guppios 2016/06/	Voy: Go	age 004 44.0 od 298 20.5	14.5 0	14	113.5 11.3	9 27.69 0.0	04 32.42 0.05	4 2 NonAdv 14.5
\backslash	Good weather definition employed on each voyage r	may vary.	B U NINGDE 14	T09:0 0 0 18T00:3 0 0	-0.48 Wea	ther ire 1140 87.5	13 -0.2	13.	3 103.5 12.85	5 96.74 0.2	28 26.53 0.08	
$\langle \rangle$	It can be confirmed in each report and/or CP Warran	nty Analysis History table to be downin	oaded,		4	408		11	100 at 100	_	1	
					7							
	Loss / Saving Total Time: 34.6 hours	s saving , FO: 16.56 mt saving	g , DO: 7.56 mt saving									
	Outride ECA (/dec)	Jecide ECA /	(Idea)									
			DDM PE-78()									
	Speed PO DO RPM	Silp(%) Speed DO F	KPM Sup(36)									
\backslash	13.95 29.04 0.07 108.72	. 7.74		/								
	Laden 11.75 25.94 0.05 102.90	18.96										
	CP Warranty Analysis History											2
				Download							6 8 B	
									Inter	nal Informati	ion Sharing	
	Voy L/B _ Departure		Arrival						Ops Tec	h Legal	Finance Edi	
\	T Port				All Wx	Wx CP	All Wx	Wx CP				
\backslash	* B NING DE	2016/07/23T04:00:00	SURIGAO	2016/07/26T22:00:00	12.7	0.0 13	24.00	0.0 23.0	6 🔍 🍥		• 2	
	▲ 091 L 17.35N 124.50E	2016/07/02T05:45:00	NINGDE	2016/07/04T06:30:00	12.5	12.9 14	32.14	32.24 32.1	8 🔍 🔍		• 2	
	191 L SURIGAO	2016/06/30T09:00:00	17.35N 124.50E	2016/07/02T05:45:00	11.9	0.0 13.00	24.50	0.0 26.6	0 🔍 🍭		• 2	
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	L SURIGAO	2016/06/04T05:48:00	NING DE	2016/06/08T09:24:00	11.1	11.5 12.0	24.59	24.57 25.0	0 🔍 🔍		• 2	
	👲 090 B 19.84N 115.14E	2016/05/19T04:00:00	SURIGAO	2016/05/21T23:12:00	14.0	14.2 14.5	31.85	32.16 33.1	5 🔍 🔍		• 2	
	1090 B HONG KONG	2016/05/18T15:42:00	19.84N 115.14E	2016/05/19T04:00:00	13.5	0.0 13.00	23.90	0.0 23.6	io 😐 🍥		• 2	<u></u>

	Ships	reset	Period	reset	Sail	ing Condition	reset
Ship Name	● Ship Name ◎ Sh	Nip Type Perio Voya Load	© Last © Last © Fron e Number / Code © Lade © Lade	3 months 6 months 12 months n / To Dates 	Speed (kts) RPM Output (%) Displacement (MT) Fore draft (m) Mid draft (m) Aft draft (m)	- 103	
		Weat Good Wind Seas Curr	Weather er Data Weatherne Weather (up to & includin BF ≤ 5 ▼ 	reset ws'verified ▼ ng) ▼ ≤ (m) ▼	Samp FO (MT) DO/GO/ULS (MT) Dep - 1st Noon ≥ Noon - Noon ≥ Last Noon - Arr ≥	le Data Range 0 - 0 - 12 hou 22 hou 12 hou	reset

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Period : Last 12 months | Loading : Laden RPM : 103 - 108 FO : 0 - (MT) | DO/GO/ULS : 0 - (MT) | Dep - 1st Noon : ≥ 12 hours | Noon - Noon : ≥ 21 hours | Last Noon - Arr : ≥ 12 hours

Good Weather: Wind BF (WNI) : ≤ 5 | Current (WNI) : ---

aly details data can b	e downloaded b	y clicking on yo	ur preterred s	ship name row.	. • 0	Cood Weather								
Ship Name	¢ DWT ¢ (ton)	M/E FO Y	A/E F0	DO/GO ULS	Speed	Num. of Reports	M/E FO	A/E F0	DO/GO ULS +	Speed 4	Num. of Reports			
WNISHIP 36	46590	23.74	1.79	0.02	12.42	39	23.6	1.78	0.02	12.38	34			
WNISHIP 35	46646	23.34	1,81	0.03	12.98	17	23.36	1.8	0.04	13.15	15			
WNISHIP 34	46592	22.02	1.76	0.79	13.12	20	22.02	1.76	0.79	13.12	20			
WNISHIP 30	46547	21.47	1,82	0.09	12.88	24	21.47	1,82	0.09	12.88	24			

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	-	ed Reported (kts)	Spe	-	Time Reported (hrs)		-	tance Reported (nm)	Dist
	-	Height (m)	Swel	-	Wave Height (m)	3	2 -	Wind (BF)	
	-	'E ULS (mt)	M	-	M/E DO/GO (mt)		-	M/E FO (mt)	
-	-	'E ULS (mt)	140 A	-	A/E DO/GO (mt)		-	A/E FO (mt)	
	-	er ULS (mt)	Oth	-	Other DO/GO (mt)		-	Other FO (mt)	
							-	RPM	
4	55	BM	132	0.5	13(5)	-0.7		B00 13.0	TB
					ок				

Vessel Name :

Туре	Date	UTC Voyage Lat	Lon Dest. Port	L/B Distance Reported (nm)	Time Reported (hrs)	Speed Reported (kts)	Instructed Speed (kts)	[Diff] Report - Instructed (kts)	Daily Perf. Spd (kts)	Diff] Inst (kts)	Ship Heading
DEP	2016-06-14	Check for all Clear for all	Period	: 2016/Jan/18	- 2016/Jul/13	6	12.5			- 222	
NOON	2016-06-15	Voyage Number	Date Date		(m)		12.5	0.1	12.7	0.2	180
ARR	2016-06-15	Dest. Port	☑ L/B 66	2 Dist	ance Repor	rted		/			
DEP	2016-06-17	Time Reported	Speed Reported	d 🛛 🖸 Inst	ructed Spe	ed	12.5			0	
NOON	2016-06-18	[Diff] Report + Instructed	d ODaily Perf. Spd	Dif	f] Perf. Spd	i - Inst	12,5	0.1	12.7	0.2	216
NOON	2016-06-19	Wind (WNI)	Wave Height (V	WNI)	all Dir (WNI)	12,5	0,5	12.7	0.2	226
ARR	2016-06-20	Swell Height (WNI)	Current Dir (WI	NI) 🔽 Curi	rent (WNI)	•					
DEP	2016-06-23	Weather Factor (WNI)	Current Factor	(WNI) 🛛 Win	d Dir (Relat	tive)	12.5				
NOON	2016-06-24	Swell Dir	Swell Height	Vav	e Height		12.5	0.1	12.7	0.2	211
NOON	2016-06-25	Total DO/GO	Total ULS	CP S	Speed		12.5	-0.1	12.7	0.2	180
NOON	2016-06-26	CP FO 183	CP DO/GO	20 NM/	Ton 1.7		12.5	-1.3	12.7	0.2	200
NOON	2016-06-27	M/E DO/GO	M/E III S	_ M/E	FO		12.5	-0.6	12.7	0.2	225
ARR	2016-06-28	A/E DO/GO	A/E ULS	Othe	er FO						
DEP	2016-06-30	Other DO/GO	Other ULS	RPM	0.6		12.5				
ARR	2016-06-30	Output	Draft FWD	🗹 The 💟 Draf	rmal Load ft AFT						
DEP	2016-07-01	Cargo Weight	💟 Disregard				12.5				
ARR	2016-07-01										
DEP	2016-07-01		OK								

Threshold

Download

Chart O Setting

Filtering Set-up

NN

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- Good weather conditions and all weather conditions.
- Clicking on ship name shows "Daily Performance Management

ooa we	auter : Curr	ent : ALL , BI	r 2 4	۲	OutsideEC4	A 🔍 Insid	leECA								ownload	0	Setting		
			Depa	rture	ure Arri			All Weather									Good		
	Ship Name	Voyage Code	Port	DateTime (UTC)	Port	DateTime (UTC)	L/B T	Speed	M/E FO (/day)	A/E FO (/day)	A/E DO/GO/ ULS (/day)	ME RPM	ME Output %	#of Report	Speed	M/E FO (/day)	A/E FO (/day)	A/ DO/ UI (/d	
	MEDI	51 L	SAN LORENZO	2016-08-01 09:00	PORT ELIZABETH	2016-08-17 14:06	Laden	10.4	19.67	1.94	12	95.3	8	16	10.4	19.67	1.94	-	
		51	PORT ELIZABETH	2016-08-18 05:48	SINGAPORE	2016-09-07 09:42	Laden	11.0	19.35	1.97	0.01	96.8	-	22	11.0	19.39	1.98	0.0	
		051 L	SINGAPORE	2016-09-08 11:30	CAI LAN	2016-09-13 04:48	Laden	11.5	19.68	2.03	0.00	96.7		5	11.7	19.69	2.07	0.0	
*	OKINAWA	052 L	CAI LAN	2016-09-21 16:48	TAICANG	2016-10-13 20:24	Laden	11.9	18.97	1.84	0.00	96.5	8	14	12,0	19.03	1.85	0.0	
		V.201663	TAICANG	2016-10-18 01:48	BALBOA		Laden	10.7	23.67	2.09	0.04	96.4		4	10.7	23.67	2.09	0.0	
				I			11.1	19.62	1.94	0.01	96.3	÷	61	11.1	19.67	1.95	0.		
								•										•	

Note : this menu needs VAR (Voyage Audit Report) data which is provided when OSR or Charter party warranty analysis is utilized.

- a. Averaged speed and consumption capability during your specified periods
- b. Your colleagues' rating (red, yellow, and blue) and relevant findings

Fi	iterii	ng Set	-up	CP	Warran	ty																		
	S	hip Na	me :	REPORT	12.1367(21)			Saar	ch															
A	Analy	sis Per	iod : 2	016/01/31	1 - 20	016/07/29		Seal	GI															
Good v It can l	iood weather definition employed on each voyage may vary. t can be confirmed in each report and/or CP Warranty Analysis History table to be downloaded.																							
Loss	/ Sav	ing To	tal	Time: 3	4.6 hours	saving	, FO: 16	.56 mt sa	aving ,	DO: 7.56 mt savir	ing													
Good	Wea	ther A	nalysis S	ummary		_		20-	-															
									CA (/day)															
		Speed	FO	ĐO	RPM	Slip(%)	Speed	DO	RPM	Slip(%)														
Ballas	it :	13.95	29.04	0.07	108,72	7,74																		
Lader	n i	11.75	25.94	0.05	102.90	18.96																		
CP W	arra	nty Ar	nalysis	History																			1	
							N	lovano Inf				Download		Corter	narby Mar	cantu Anal	velo	-		Internal	Inform	ation Charin	10	
													Perform	Carterparty warranty						Incorner	Intornic	acon onan	ing	
		L/B	T	Depart Por	ture t								All Wy Good CP		CP	All My Good CD			Ops	Tech	Legal	Finance	Edit	
÷		В		NING	DE	20:	L6/07/23T	04:00:00	5	SURIGAO		2016/07/26T22:00:00	12.7	0.0	13	24.00	0.0	23.6	0	0	•	•	R	
*	091	L		17.35N 1	24.50E	20:	L6/07/02T	05:45:00		NINGDE		2016/07/04T06:30:00	12.5	12.9	14	32.14	32.24	32.8					R	
÷	091	L		SURIC	GAO	20:	L6/06/30T	09:00:00		17.35N 124.50E		2016/07/02T05:45:00	11.9	0.0	13.00	24.50	0.0	26.60					R	
±		в		NING	DE	201	2016/06/14T09:0			SURIGAO		2016/06/18T00:30:00	13.3	14.0	14.5	26.53	32.42	33.5					2	
*		L		SURIGAO		20:	2016/06/04T05:48:00			NING DE		2016/06/08T09:24:00	11.1	11.5	12.0	24.59	24.57	25.0					R	
±	090	В		19.84N 115.14E 2016/		16/05/19T	i/19T04:00:00 SURIGAO			2016/05/21T23:12:00	14.0	14.2	14.5	31.85	32.16	33.5					R			
÷	090	В		HONG K	ONG	20:	L6/05/18T	15:42:00		19.84N 115.14E		2016/05/19T04:00:00	13.5	0.0	13.00	23.90	0.0	23,60	0	0	0		R	

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Excel file download of history data

Loading condition selection

