

Weather Routing Inc. (WRI, Ltd.)

"Oceans of Experience"

Vessel Performance Report

Prepared For:

Sample Company

M/V Sample Ship

ROTTERDAM to GIBRALTAR

ATD: 07/13/18 06:12z

Reference ID: 1807963

Date: July 19, 2018

Good Weather Definition

Wind of Beaufort Force 4, Significant Wave Height of 1.25 Meters. No Adverse Currents.

	Report Summary - Normal Sp	eed Conditions (Laden)
	Original Warranted Values	Calculation Result
Speed	about 13.50 Knots	3.76 Hours Lost
Fuel Consumption	about 29.00 MT/Day	Within Guaranteed Limits
Diesel Consumption	about 0.20 MT/Day	0.08 MT - OverConsumed

Additional performance data/charts can be generated via WRI's Fleet Monitoring Dashboard on Dolphin (www.wriDolphin.com)

WRI	Vessel Performa	nce Report	Weathe	r Routing Inc. (WRI, Ltd.)
	f Evenewieweell	Onli	ne Weather Source: w	ww.wriDolphin.com
"Oceans o	f Experience"	Phone: (518) 798 1110	Web: www.wriwx.com	Email: wri@wriwx.com

	Overall Performance Anal	ysis		
м/v Sample Ship			Reference:	1807963
Prepared for	Departure Port: ROTTERDAM	ATD:	07/13/2018 06:1	2 GMT
Sample Company	Destination Port: GIBRALTAR	ATA:	07/18/2018 02:0	0 GMT

aden / Normal Conditions	Overall	l Performa	ance		Good Wea		Performance Sig. Wave: 1.25 Meters/Less
Transit Distance:	1430.26	NM			959.79	NM	
Transit Time:	115.80	Hours			75.80	Hours	
Average Speed:	12.35	Knots			12.66	Knots	(Distance/Time)
Weather Factor:	-0.01	Knots					Vessel UnderPerformed with Adverse Currents Excluded.
Current Factor:	0.06	Knots			0.09	Knots	therefore ALL Currents are being Included
Performance Speed:	12.30	Knots	-0.50 Kts App	lied to Laden	12.57	Knots	(Speeds Adjusted for the
Allowable Charter Speed:	13.00	Knots	Charter Speed		13.00	Knots	
Performance Time:	116.28	Hours			113.78	Hours	
Allowable Charter Time:	110.02	Hours			110.02	Hours	Distance divided by Respected Speeds)
Overall INCLUDES ALL Hours. NOT Adjusted for Charter Party Limits.	6.26	Hours Lo	st	Adjusted for (Party Lim		3.7	76 Hours Lost

aden / Normal Conditions	Fuel Oil For About Clause 5% Has Be	Diesel Oil/Gas For About Clause 5% Has Been Applied
Departure BROB :	645.12 MT	79.50 MT
Destination BROB :	544.36 MT	37.50 MT
Warranted Daily Consumption:	30.45 MT (about)	0.21 MT (about)
Actual Daily Consumption:	29.37 MT	0.22 MT
Warranted Total Consumption:	142.00 MT (about)	includes 0.98 MT (about) excludes 40.94MT 40.94MT
Actual Total Consumption:	141.70 MT	LSMGO in ECA 1.06 MT LSMGO in ECA

OverConsumed - Overall Diesel Oil Consumption 0.08 MT MORE than Guaranteed Limits

Allowable Charter Time with Adjusted "Good Weather" Current Factor Has Been Applied to Calculate Warranted Total Consumption.

N

Vessel Performance Report

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ATD:

ATA:

Phone: (518) 798 1110 Web: www.wriwx.com Email: wri@wriwx.com

Voyage Summary

Reference: 1807963

07/13/2018 06:12 GMT

07/18/2018 02:00 GMT

м/v Sample Ship

Departure Port: ROTTERDAM

Sample Company

Prepared for

Destination Port: GIBRALTAR

Date/Time	Latitude	Longitude		Load/Speed	Stea	ming	Sp	eed	Eng	gine	Wine	d - Bea	ufort		Seas			Curren	t
Date, fille	Lande	Longhude	Туре	Conditions (Laden)	Time (hrs)	Dist (nm)	Avg	Charter	RPM	Slip	Dir	Spd (kts)	Scale	Wave (mtrs)	Dir	Hght (mtrs)	Dir	Speed (kts)	Factor (kts)
07/13/18 06:12	ROTT	FERDAM	ATD	Norm/Laden				13.50			N	9	3	0.5	N	0.50	NNE	0.0	0.00
07/13/18 10:00	51.88 N	2.58 E	А	Norm/Laden	3.8	51.9	13.65	13.50	110.4	2.6	NNE	10	3	0.5	Ν	0.50	ENE	0.1	0.01
07/14/18 10:00	49.58 N	4.03 W	А	Norm/Laden	24.0	305.1	12.71	13.50	114.1	12.2	NE	8	3	0.3	Ν	0.25	ENE	0.2	0.16
07/15/18 10:00	45.65 N	8.37 W	А	Norm/Laden	24.0	302.0	12.58	13.50	112.2	11.0	NNE	6	2	0.4	WNW	0.75	SE	0.0	-0.03
07/16/18 10:00	40.93 N	10.10 W	A	Norm/Laden	24.0	300.8	12.53	13.50	114.2	13.7	NW	7	3	0.5	WNW	1.25	NNE	0.2	0.14
07/17/18 10:00	36.45 N	8.72 W	А	Norm/Laden	24.0	301.6	12.57	13.50	112.2	11.7	NNW	14	4	0.9	WNW	1.75	Е	0.3	-0.07
07/18/18 02:00	GIBF	RALTAR	ΑΤΑ	Norm/Laden	16.0	168.9	10.56	13.50			NNE	13	4	0.9	WNW	1.50	W	0.4	0.16

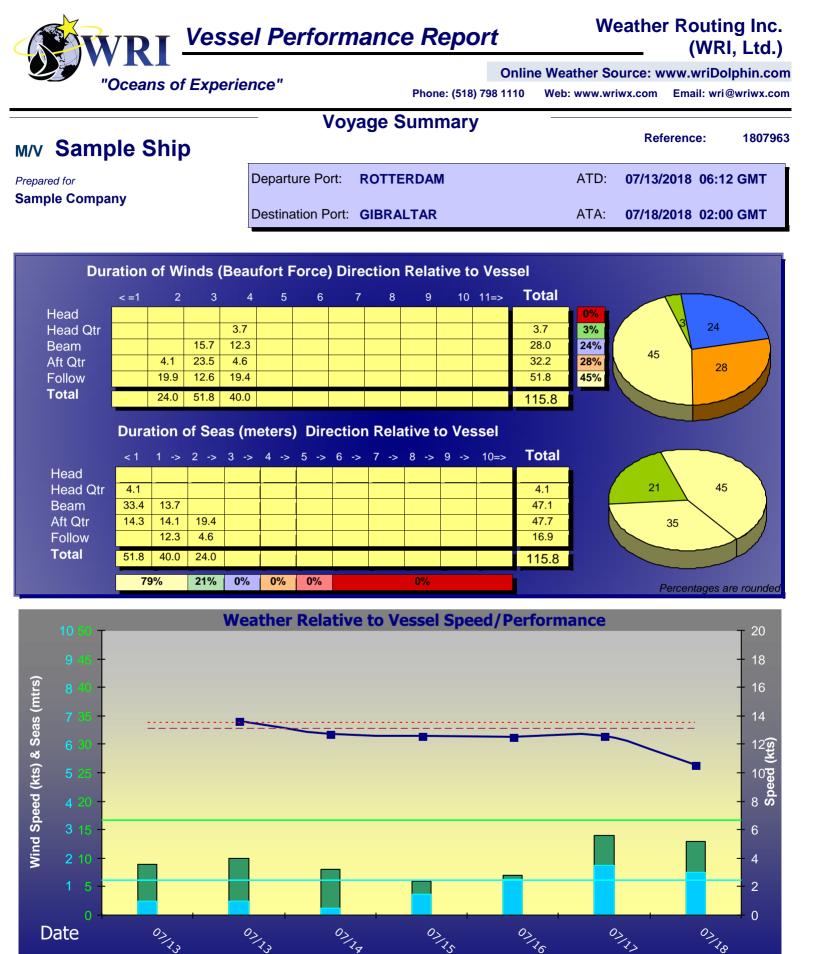
"A" = Actual Reported Ship Position

"LN" = Local Noon Calculated Position Defined Good Weather Period "ATD" = Actual Time of Departure "ATA" = Actual Time of Arrival Vessel within ECA Limits "ETD" = Estimated Time of Departure "ETA" = Estimated Time of Arrival Stoppage Period "S/B" = Stoppage Begins "S/E" = Stoppage Ends Exclusion Period

Speed and Weather	Overall Voyage			Good W	Max	imum	ECA Zone					
Summary	Dist	Time	Spd	Dist	Time	Spd	Wind	Sea	Total	Overall	Dist	Time
	(nm)	(hrs)	(kts)	(nm)	(hrs)	(kts)	(kts)	(m)	(hrs)	Current	(nm)	(hrs)
ROTTERDAM to GIBRALTAR	1430.26	115.80	12.35	959.79	75.80	12.66	14	1.75	0.0	Favorable	397.90	31.00
Voyage(s) Total	1430.26	115.80	12.35	959.79	75.80	12.66	14	1.75	0.0	Favorable	397.90	31.00

Heavy Weather Total (hrs) is amount of time Winds Greater/Equal to: 40kts and Seas Greater/Equal to: 4mtrs.

Values in above table reflect the entire transit, and are not adjusted for any stoppages/exclusions or for weather/currents. Please consult overall performance analysis page for detailed performance calculations adjusted for any exclusions and weather/current factors.



Wind Speed (kts)

Seas Threshold

Wind Threshold

Charter Speed (kts)

Seas (mtrs)

Perform Spd (kts)

Act Vessel Spd (kts)

Vessel Performance Report

Weather Routing Inc. (WRI, Ltd.)



Online Weather Source: www.wriDolphin.com

Phone: (518) 798 1110 Web: www.wriwx.com Email: wri@wriwx.com

ATA:

Engine Summary

Reference: 1807963

07/18/2018 02:00 GMT

M/V Sample Ship

Sample Company

Prepared for

Departure Port: ROTTERDAM ATD: 07/13/2018 06:12 GMT

Destination Port: GIBRALTAR

Date/Time	Latitude	Longitude	Posn	Load/Speed	Stear	ming	Speed	d (kts)	Eng	jine	BROE	8 (MT)	Co	onsumpt	ion (MT)	Win	d/Sea/C	Current
Date, Time	Landoo	Longitude	Туре	Conditions	Time	Dist	Avg	Charter	RPM	Slip	IFO	DO/GO	Warran	t IFO	DO/GO	Rate	Scale	Hght	Factor
				(Laden)	(hrs)	(nm)							(MT/Day)	(n	m/MT)	(BF)	(mtrs)	(kts)
07/13/18 06:12	ROTT	ERDAM	ATD	Norm/Laden				13.50			645.12	79.50	29.00				3	0.50	0.00
07/13/18 10:00	51.88 N	2.58 E	А	Norm/Laden	3.8	51.9	13.65	13.50	110.4	2.6	645.12	74.90	29.00	0.00	4.60	11.3	3	0.50	0.01
07/14/18 10:00	49.58 N	4.03 W	A	Norm/Laden	24.0	305.1	12.71	13.50	114.1	12.2	645.12	45.00	29.00	0.00	29.90	10.2	3	0.25	0.16
07/15/18 10:00	45.65 N	8.37 W	A	Norm/Laden	24.0	302.0	12.58	13.50	112.2	11.0	622.45	38.10	29.00	22.67	6.90	10.2	2	0.75	-0.03
07/16/18 10:00	40.93 N	10.10 W	А	Norm/Laden	24.0	300.8	12.53	13.50	114.2	13.7	591.40	37.90	29.00	31.05	0.20	9.6	3	1.25	0.14
07/17/18 10:00	36.45 N	8.72 W	А	Norm/Laden	24.0	301.6	12.57	13.50	112.2	11.7	561.98	37.70	29.00	29.42	0.20	10.2	4	1.75	-0.07
07/18/18 02:00	GIBF	RALTAR	ΑΤΑ	Norm/Laden	16.0	168.9	10.56	13.50			544.36	37.50	29.00	17.62	0.20	9.5	4	1.50	0.16

"A" = Actual Reported Ship Position "LN" = Local Noon Calculated Position

Defined Good Weather Period

"ATD" = Actual Time of Departure "ATA" = Actual Time of Arrival Vessel within ECA Limits "ETD" = Estimated Time of Departure "ETA" = Estimated Time of Arrival Stoppage Period "S/B" = Stoppage Begins "S/E" = Stoppage Ends

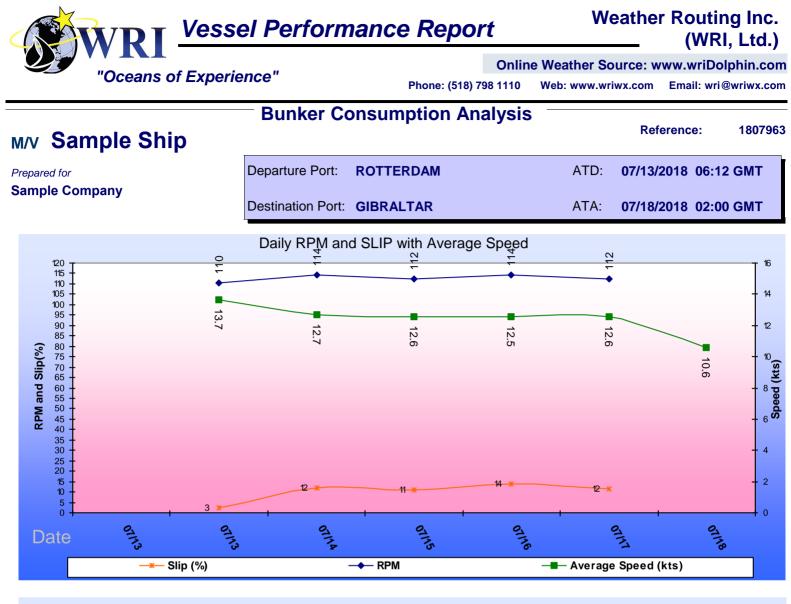
Exclusion Period

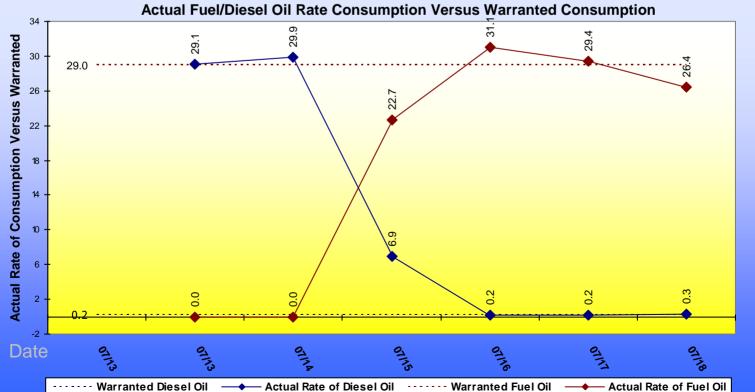
Engine Consumption	Rep	orted Fue	I Values	(MT)		Calculated Total Consumption (MT)								
Summary	Departure Bl	ROB	Arrival BROB			Main E	Ingine	Aux E	ngine	Supplemental				
Cannady	IFO	DO/GO	IF	•O	DO/GO	IFO	MGO	DO/GO	IFO	IFO	DO/GO			
ROTTERDAM to GIBRALTAR	645.12	79.50	544	4.36	37.50	96.23	38.50	3.50	4.53	0.00	0.00			
	Avg RPM 112.6	Avg Slip	10.2	(NM/MT)	10.0	134.73	28.57%	8.03	56.40%	ECA Hou	rs: 31.0			
						96.23	38.50	3.50	4.53	0.00	0.00			
Voyage(s) Total	Avg RPM 112.6	Avg Slip	10.2	(NM/MT)	10.0	134.73	28.57%	8.03	56.40%	ECA Hou	rs: 31.0			
Values used in bunker calculation	ons are adjusted for s	upplemental	l consump	tion and are	e subject to	exclusions	. (Main	Engine % i	s MGO) (A	ux Engine	% is IFO)			
Operation actes in table on		de a constant a	and she was	t a diversa d fe	an analasala	na Missian	and the second secold	anta that an	mulate data		a almost			

Consumption rates in table are provided directly by the vessel, and are not adjusted for exclusions. Missing values indicate that complete data was not received.

Emissions and			E		Effici	ency Savings						
Efficiency Summary	Time	Weight	SOx	CH4	CO2(Sea)	Fuel / Dist	Fuel / Work		Time	Cost Savings		
	Distance	Fuel	NOx	TSP	CO2(Port)	CO2 / Dist	CO2 / Work		Fuel	Carbon Savings		
ROTTERDAM to GIBRALTAR	115.8	33254.7	7.18	0.44	448.46	0.0998	3.00E-06		View Dol	phin for Efficiency		
	1430.3	142.76	12.35	0.94	0.00	0.3136	9.43E-06		Reports. w	ww.WRIDolphin.com		
	115.8		7.18	0.44	448.46	0.0998	3.00E-06		View Dol	phin for Efficiency		
Voyage(s) Total	0	0.3136	9.43E-06		Reports. w	ww.WRIDolphin.com						
* Transport Work = Weight multpl	* Transport Work = Weight multplied by Distance Time (hr) and Distance (nm) = Actual steaming time and distance (seabuoy/seabuo											

Fuel/Work and CO2/Work are labeled MT/Transport Work and labeled as exponential (xx E-06)





Prepared On: Thursday, July 19, 2018

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