

Route 99

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Scheduling of a RORO/Car carrier fleet

Sample run for a fleet of 11 vessels and 12 trade routes

**This report illustrates how R99
can generate an optimal
schedule for a fleet of RORO
vessels against specific
contractual liftings**

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This sample run illustrates the scheduling of 11 vessels on 12 main RORO/car carrier trade routes

◆ **Input data**

- Ships to be scheduled
 - ◆ 8 Own and 3 tc ships:
 - Speed/consumption
 - Cargo capacity etc

- Trade and job data
 - ◆ Europe/Africa/Far East
 - ◆ Europe/Middle East
 - ◆ Europe/South Africa, Europe/West Africa
 - ◆ Far East /Europe
 - ◆ ... etc

- Load/Discharge ports
- Commodities/freight rates/stowage factors
- Time in port
- Port costs
- Etc
- Laydays

◆ **Main Output Reports from Route99 scheduling**

- Voyage summary
- Visual voyage summary
- Allocation of jobs

◆ **Supporting and additional reports**

- Voyage details for each ship/voyage
- Position list based on generated schedule
- Commodities shipped
- Etc...

Vessel	Return to this Shipm period(*)	Shipm resource	Days	TC Result	TC Pr day	Voyage Profit	Nr of jobs	% ballast	Schedule terminates in	
Asian Dynasty		OWN	121.0	3,663,256	30,277	3,663,256	4	28	ROTTERDAM	30.05.04
RORO ASIA	Yes	TC	150.6	4,674,751	31,047	1,965,751	6	37	ABIDJAN	29.06.04
Trans Asia	Yes	TC	185.9	6,382,756	34,334	3,038,356	7	32	ABIDJAN	03.07.04
Trans Europe	Yes	TC	124.4	4,733,576	38,057	2,371,876	4	2	ABIDJAN	02.07.04
Trans Med		OWN	129.9	4,391,644	33,821	4,391,644	5	32	KUWAIT	28.06.04
Trans Tracer		OWN	184.6	1,015,522	5,500	1,015,522	6	45	AMSTERDAM	09.07.04
Trans Trapper		OWN	178.4	1,080,927	6,058	1,080,927	6	43	AMSTERDAM	03.07.04
Trans Traveller		OWN	178.3	6,461,274	36,238	6,461,274	7	29	ABIDJAN	03.07.04
Trans Tropicana		OWN	197.1	3,074,452	15,598	3,074,452	3	56	ROTTERDAM	14.08.04
Trans Trotter		OWN	175.1	3,866,663	22,078	3,866,663	6	45	KUWAIT	29.06.04
Trans Trov		OWN	174.5	4,885,101	27,993	4,885,101	7	32	ABIDJAN	25.06.04
Grand total for this scenario			1,799.8	44,229,922	24,575	35,814,822	61	37		

Total days at sea 1,444.1
Total days ballast 529.9

Owned vessels

Asian Dynasty

Pool points: 100

Load date	Wait Days	Job Id	Trade	Cargo Qty	Load Port	Disch Port	Cargo restriction	Tot days	TC Result	TC pr day	Pro rata TC
02.02.2004					ROTTERDAM						
02.02		EME_100	EMEAST	4,667	ROTTERDAM	KUWAIT	DECK cap: 4667	19.5	699,960	35,822	699,960
05.03		FEEUR_Mar	FE_EUR	6,000	YOKOHAMA	ROTTERDAM	ROCARS cap: 6000	40.1	1,020,353	25,458	1,020,353
31.03		EME_100	EMEAST	4,667	ROTTERDAM	KUWAIT	DECK cap: 4667	19.5	699,960	35,822	699,960
03.05		9000M_J	FEASTEUR	4,320	YOKOHAMA	ROTTERDAM	Trade max: 4320	41.8	1,242,983	29,715	1,242,983
Last voyage ends on : 30.05.2004				19,654		Pool point days	12,099	121.0	3,663,256	30,277	3,663,256
Earliest/latest termination: 01.06.2004 / 01.08.2004						Voyage profit	3,663,256				

Trans Med

Pool points: 100

Load date	Wait Days	Job Id	Trade	Cargo Qty	Load Port	Disch Port	Cargo restriction	Tot days	TC Result	TC pr day	Pro rata TC
22.02.2004					AALBORG						
23.02		EME_100	EMEAST	5,181	ROTTERDAM	KUWAIT	DECK cap: 5181	20.7	812,978	39,350	812,978
26.03		9000M_J	FEASTEUR	4,320	YOKOHAMA	ROTTERDAM	Trade max: 4320	41.8	1,242,983	29,715	1,242,983
25.04		EUR_WA100	EUWA	3,000	ROTTERDAM	ABIDJAN	Trade max: 3000	16.3	803,065	49,177	803,065
19.05		EUR_WA100	EUWA	3,000	ROTTERDAM	ABIDJAN	Trade max: 3000	23.9	758,880	31,739	758,880
09.06		EME_100	EMEAST	5,181	ROTTERDAM	KUWAIT	DECK cap: 5181	27.1	773,738	28,530	773,738

Results for all vessels in the fleet

	Total fleet	TC vessels	Own vessels	Relets
TC Result	44,229,922	15,791,083	28,438,839	
Voyage profit:	35,814,822	7,375,983	28,438,839	
Fleet Days	1,800	461	1,339	
Pool point days: (own vessels)			133,897	
TC Result pr day	24,575	34,265	21,239	
Voyage profit pr day	19,899	16,005		
TC Result pr pool point day	330			
Voyage profit pr pool point day	267			
Profit on TC vessels and relets	7,375,983	7,375,983		
Own vessels: TC Pr pool point day			212	

Total waiting days
Waiting days as % of tot days

Total Cargo quantity 209,046
Prorated TC Result 43,256,060

		jan	feb	mar	Days	USD/day	TC
EUWA	RASIA 04.feb		RASIA 04.feb		18	43,361	763,580
	TASIA 03.mar			TASIA 03.mar	16	49,177	803,065
	TASIA 27.mar			TASIA 27.mar	24	31,739	758,880
	TTRAV 08.apr				16	49,177	803,065
	TMED 25.apr				16	49,177	803,065
	RASIA 28.apr				17	46,674	771,060
	TTRAV 02.mai				24	31,739	758,880
	TMED 19.mai				24	31,739	758,880
	RASIA 22.mai				24	29,392	703,060
	TTRAV 26.mai				24	31,739	758,880
	TTROV 11.jun				16	48,820	804,060
	RASIA 15.jun				24	29,392	703,060
	TEUR 18.jun				16	49,177	803,065
	TASIA 19.jun				16	49,177	803,065
TTRAV 19.jun				24	31,739	758,880	
US_EUR	TTRAP 09.jan	TTRAP 09.jan			12	4,260	49,630
	TTROV 12.mar			TTROV 12.mar	17	22,663	380,960
	TTRAC 16.mar			TTRAC 16.mar	18	374	6,870
	TTROV 30.mai				17	22,663	380,960
	TTRAP 04.jun				18	591	10,870
	TTRAC 10.jun				18	374	6,870
	TTRAP 22.jun				18	733	13,510
TTRAC 29.jun				18	524	9,670	
FEASTEUR	TTRAV 09.jan	TTRAV 09.jan			29	45,787	1,321,883
	TASIA 02.feb		TASIA 02.feb		43	28,790	1,232,210
	TEUR 02.mar			TEUR 02.mar	29	44,705	1,317,903
	TTROP 04.mar			TTROP 04.mar	64	16,290	1,042,744
	TTRAV 10.mar			TTRAV 10.mar	42	29,715	1,242,983
	TMED 26.mar			TMED 26.mar	42	29,715	1,242,983
	RASIA 29.mar			RASIA 29.mar	43	25,245	1,086,023
	ADYN 03.mai				42	29,715	1,242,983
	TTROP 09.mai				67	15,265	1,015,854
	TEUR 19.mai				28	47,128	1,326,183
	TASIA 20.mai				42	29,596	1,238,010
TTROP 13.jul				67	15,265	1,015,854	
EMEAST	TTROT 10.jan	TTROT 10.jan			20	41,796	816,703
	ADYN 02.feb		ADYN 02.feb		20	35,822	699,960
	TTRAV 06.feb		TTRAV 06.feb		20	41,796	816,703
	TMED 23.feb		TMED 23.feb		21	39,350	812,978
	ADYN 31.mar			ADYN 31.mar	20	35,822	699,960
	TTROT 09.apr				28	23,351	661,526
	TASIA 17.apr				27	28,530	773,738
	TMED 09.jun				27	28,530	773,738
	TTROT 10.jun				28	23,351	661,526
FE_EUR	TTROV 08.feb		TTROV 08.feb		42	28,988	1,216,638
	TTRAC 09.feb		TTRAC 09.feb		61	7,553	463,105
	TTRAP 27.feb		TTRAP 27.feb		46	11,133	515,995

		jan	feb	mar	Days	USD/day	TC
FE_EUR	ADYN 05.mar			ADYN 05.mar	40	25,458	1,020,353
	TTROV 27.apr				42	28,988	1,216,638
	TTRAP 28.apr				62	7,496	463,320
	TTRAC 05.mai				46	10,901	505,245
USMED	TASIA 03.jan	TASIA 03.jan			18	44,015	773,788
	TTROT 16.feb		TTROT 16.feb		35	16,267	564,956
	RASIA 27.feb		RASIA 27.feb		26	25,331	647,968
	TTROT 16.mar			TTROT 16.mar	29	20,251	596,996
	TTROT 16.mai				35	16,267	564,956
EUR_SA	TTROV 04.jan	TTROV 04.jan			20	21,707	440,870
	TTRAP 20.jan	TTRAP 20.jan			22	1,267	27,602
	TTROV 22.mar			TTROV 22.mar	20	22,061	444,975
	TTRAC 27.mar			TTRAC 27.mar	22	1,091	23,762
EAF	TEUR 29.mar			TEUR 29.mar	50	25,509	1,286,425

Total Fleet TC 44,229,922

Total Days 1,800

Avg Fleet TC pr day 24,575

Asian Dynasty Dwt: 20,000 mt Draft 10 m: / 0 TPC Class: Dynasty class **ADYN**

Laden:	20.50	kn on	40.00	2.00	LOA:	200	m	Panama tons	20,000	Generic:	No
Ballast:	20.50		40.00	2.00	BEAM:	33	m	Suez tons	20,000	Flag	
In port:				2.00	Pool points:	100		Fuel safety margin:	200	Built	2000
					Stores:				100		

Cargo Area	Type of space	Space capacity	Capacity units	Rel
DECK	Deck Area	49,000	SQM	
DECK	Roro Cars	6,000	CARS	

Feature	Value	Min	Max	Text	Ship has this
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-----Panama Canal-----				-----Suez Canal-----			
Toll Laden	Toll Ballast	Other Cost	Transit hours	Toll Laden	Toll Ballast	Other Cost	Transit hours

EUR-AFRICA-FEAST

EAF

#		Positioning hours (arr/port/dep)	Max draft	Max loa	Max beam	Port Cost	Port Cost for ship size groups	Port Cost Method
1	AMSTERDAM	0 / 12 / 0					0 / 0 / 0 / 0 / 0 / 0	
2	BREMERHAVEN	0 / 12 / 0					0 / 0 / 0 / 0 / 0 / 0	
3	NEWCASTLE UPON TYNE	0 / 12 / 0					0 / 0 / 0 / 0 / 0 / 0	
4	ANTWERP	0 / 12 / 0					0 / 0 / 0 / 0 / 0 / 0	
5	SOUTHAMPTON	0 / 12 / 0					0 / 0 / 0 / 0 / 0 / 0	
6	LE HAVRE	0 / 12 / 0					0 / 0 / 0 / 0 / 0 / 0	
7	SANTANDER	0 / 12 / 0					0 / 0 / 0 / 0 / 0 / 0	
8	PORT ELIZABETH	0 / 12 / 0					0 / 0 / 0 / 0 / 0 / 0	
9	EAST LONDON	0 / 12 / 0					0 / 0 / 0 / 0 / 0 / 0	
10	DURBAN	0 / 12 / 0					0 / 0 / 0 / 0 / 0 / 0	
11	PORT LOUIS	0 / 12 / 0					0 / 0 / 0 / 0 / 0 / 0	
12	FREMANTLE	0 / 12 / 0					0 / 0 / 0 / 0 / 0 / 0	
13	MELBOURNE	0 / 12 / 0					0 / 0 / 0 / 0 / 0 / 0	
14	SYDNEY (AUSTRALIA)	0 / 12 / 0					0 / 0 / 0 / 0 / 0 / 0	
15	BRISBANE	0 / 12 / 0					0 / 0 / 0 / 0 / 0 / 0	
16	NOUMEA	0 / 12 / 0					0 / 0 / 0 / 0 / 0 / 0	
17	YOKOHAMA	0 / 12 / 0					0 / 0 / 0 / 0 / 0 / 0	

Cargo	Min / Max	Units	Target	Freight rate	Lumpsum Freight	Broker	Loading	Discharging
European car	/ 7,000	SQM		300.00			0	0

Job ID	min #	max #	Laydays	Rate Overwrite	Contract	Min/Max cargo	Sublet Freight Rate
FU AFR		10	01.jan / 30.jun		Yes	/	

Europe / Middle East

EMEAST

#			<u>Positioning hours</u> (arr/port/dep)	<u>Max draft</u>	<u>Max loa</u>	<u>Max beam</u>	<u>Port Cost</u>	<u>Port Cost for ship size groups</u>	<u>Port Cost</u> <u>Method</u>
1	LOAD	ROTTERDAM	0 / 48 / 0				85,000	0 / 0 / 0 / 0 / 0 / 0	B
2	CANAL	SUEZ CANAL	0 / 12 / 0					0 / 0 / 0 / 0 / 0 / 0	B
3	DISC	KUWAIT	0 / 72 / 0				65,000	0 / 0 / 0 / 0 / 0 / 0	B

<u>Cargo</u>	<u>Min / Max</u>	<u>Units</u>	<u>Target</u>	<u>Freight rate</u>	<u>Lumpsum Freight</u>	<u>Broker</u>	<u>Loading</u>	<u>Discharging</u>
European car	/ 8,000	CARS		230.00		1.25	0	0

Job ID	min #	max #	Laydays	Rate Overwrite	Contract	Min/Maxcargo	Sublet Freight Rate
EME 100		25	03.jan / 22.okt		Yes	/	

Europe / South Africa EUR SA

#			<u>Positioning hours</u> (arr/port/dep)	<u>Max draft</u>	<u>Max loa</u>	<u>Max beam</u>	<u>Port Cost</u>	<u>Port Cost for ship size groups</u>	<u>Port Cost</u> <u>Method</u>
1	LOAD	AMSTERDAM	12 / 48 / 0				50,000	0 / 0 / 0 / 0 / 0 / 0	A
2	DISC	DURBAN	12 / 72 / 0				45,000	0 / 0 / 0 / 0 / 0 / 0	A

<u>Cargo</u>	<u>Min / Max</u>	<u>Units</u>	<u>Target</u>	<u>Freight rate</u>	<u>Lumpsum Freight</u>	<u>Broker</u>	<u>Loading</u>	<u>Discharging</u>
Cars - Volvo	/ 4,500	CARS		245.00		3.50	0	0

Job ID	min #	max #	Laydays	Rate Overwrite	Contract	Min/Maxcargo	Sublet Freight Rate
FUJ SA/Feb		4	01.feb / 28.feb			/	
FUJ SA/Mar		4	01.mar / 31.mar			/	
FUJ SA/Jan		4	01.jan / 31.jan			/	

Europe / West Africa EUWA

#			<u>Positioning hours</u> (arr/port/dep)	<u>Max draft</u>	<u>Max loa</u>	<u>Max beam</u>	<u>Port Cost</u>	<u>Port Cost for ship size groups</u>	<u>Port Cost</u> <u>Method</u>
1	LOAD	ROTTERDAM	60 / 0 / 0					0 / 0 / 0 / 0 / 0 / 0	
2	DISC	ABIDJAN	150 / 0 / 0					0 / 0 / 0 / 0 / 0 / 0	

Trans Europe

20,000 Dwt 20.5/20.50 on 40.0 / 40.0 + 0.0

Earning points: 100
Pool Points: 0

TC Cost of vessel: 19,000 USD/day

Far East / Europe

Trade ID	FEASTEUR	29 Days 44,705 USD/day
Job Id	9000M_J	
Laydays	01.03.2004 / 30.06.2004 0.00	

Voyage start	1.mar	BUSAN
Loading Start	2.mar	YOKOHAMA
Voyage Ended	29.mar	ROTTERDAM

Cargo: 4,320 CARS 400 USD/CARS

Intake restricted by: Trade max: 4320

Cargo terms:0/0

Ports: JPYOK/SUEZCA/NLRTM/

	Dist	Days at Sea	Days in Port	ETA	ETD
BUSAN					
YOKOHAMA	657	1.3	2.0	2.mar	4.mar
ROTTERDAM	11,180	22.7	2.5	27.mar	29.mar

Days total voyage	29.5	24.1	5.4
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Days waiting
Days offhire

Total tons of HVF 963 a 140 USD/ton
Total tons of MDO 60 a 232 USD/ton

Gross Revenue	1,728,000
Savings on Extra Bunkers	
Bunker Surcharge	0
Broker Commission	43,200
Address commission	0
Pool Operator Commission	0
Handling Costs	
Port Expenses	95,200
Canal Expenses	122,957
Various expenses	0
Fuel Expenses	148,740
War risk insurance	
Overhead Cost	0
TC Result	1,317,903

TC USD/day 44,705

Budgetted TC pr day	20,000
Pool Point Days (0 * 29.5)	0
Market value pr day	0
Voyage profit	757,403

Comments: Ship dwt Laden via Suez

Date vessel is open	Vessel	Last job and contract	
ABIDJAN			
18.02.2004	RORO ASIA	EUWA	Europe / West Africa
17.03.2004	Trans Asia	EUWA	Europe / West Africa
10.04.2004	Trans Asia	EUWA	Europe / West Africa
22.04.2004	Trans Traveller	EUWA	Europe / West Africa
09.05.2004	Trans Med	EUWA	Europe / West Africa
12.05.2004	RORO ASIA	EUWA	Europe / West Africa
16.05.2004	Trans Traveller	EUWA	Europe / West Africa
02.06.2004	Trans Med	EUWA	Europe / West Africa
05.06.2004	RORO ASIA	EUWA	Europe / West Africa
09.06.2004	Trans Traveller	EUWA	Europe / West Africa
25.06.2004	Trans Trov	EUWA	Europe / West Africa
29.06.2004	RORO ASIA	EUWA	Europe / West Africa
02.07.2004	Trans Europe	EUWA	Europe / West Africa
03.07.2004	Trans Asia	EUWA	Europe / West Africa
03.07.2004	Trans Traveller	EUWA	Europe / West Africa
AMSTERDAM			
19.01.2004	Trans Trapper	US_EUR	Liner cargo US/Europe
22.03.2004	Trans Trov	US_EUR	Liner cargo US/Europe
27.03.2004	Trans Tracer	US_EUR	Liner cargo US/Europe
08.06.2004	Trans Trov	US_EUR	Liner cargo US/Europe
14.06.2004	Trans Trapper	US_EUR	Liner cargo US/Europe
20.06.2004	Trans Tracer	US_EUR	Liner cargo US/Europe
03.07.2004	Trans Trapper	US_EUR	Liner cargo US/Europe
09.07.2004	Trans Tracer	US_EUR	Liner cargo US/Europe
DURBAN			
24.01.2004	Trans Trov	EUR_SA	Europe / South Africa
10.02.2004	Trans Trapper	EUR_SA	Europe / South Africa
11.04.2004	Trans Trov	EUR_SA	Europe / South Africa
17.04.2004	Trans Tracer	EUR_SA	Europe / South Africa

Date vessel is open	Vessel	Port where vessel started	Port where vessel is open	Last job and contract		
2004-jan						
18.01.2004	Trans Asia	NEW BEDFORD	JEDDAH	US_ME100	USMED	USEC / Middle East
19.01.2004	Trans Trapper	BALTIMORE	AMSTERDAM	US_EUR_400	US_EUR	Liner cargo US/Europe
24.01.2004	Trans Trov	ROTTERDAM	DURBAN	EUR_SA/Jan	EUR_SA	Europe / South Africa
28.01.2004	Trans Trotter	ROTTERDAM	KUWAIT	EME_100	EMEAST	Europe / Middle East
2004-feb						
06.02.2004	Trans Traveller	OSAKA	ROTTERDAM	9000Jan	FEASTEUR	Far East / Europe
10.02.2004	Trans Trapper	AMSTERDAM	DURBAN	EUR_SA/Jan	EUR_SA	Europe / South Africa
18.02.2004	RORO ASIA	AALBORG	ABIDJAN	EUR_WA100	EUWA	Europe / West Africa
20.02.2004	Asian Dynasty	ROTTERDAM	KUWAIT	EME_100	EMEAST	Europe / Middle East
25.02.2004	Trans Traveller	ROTTERDAM	KUWAIT	EME_100	EMEAST	Europe / Middle East
2004-mar						
01.03.2004	Trans Asia	JEDDAH	ROTTERDAM	9000Feb	FEASTEUR	Far East / Europe
02.03.2004	Trans Trotter	KUWAIT	JEDDAH	US_ME100	USMED	USEC / Middle East
05.03.2004	Trans Trov	DURBAN	ROTTERDAM	FEEUR_Feb	FE_EUR	FE / SE Asia to Europe
08.03.2004	Trans Tracer	GENOA	ROTTERDAM	FEEUR_Jan	FE_EUR	FE / SE Asia to Europe
12.03.2004	Trans Med	AALBORG	KUWAIT	EME_100	EMEAST	Europe / Middle East
14.03.2004	RORO ASIA	ABIDJAN	JEDDAH	US_ME100	USMED	USEC / Middle East
17.03.2004	Trans Asia	ROTTERDAM	ABIDJAN	EUR_WA100	EUWA	Europe / West Africa
22.03.2004	Trans Trov	ROTTERDAM	AMSTERDAM	US_EUR_400	US_EUR	Liner cargo US/Europe
27.03.2004	Trans Tracer	ROTTERDAM	AMSTERDAM	US_EUR_400	US_EUR	Liner cargo US/Europe
27.03.2004	Trans Trapper	DURBAN	ROTTERDAM	FEEUR_Feb	FE_EUR	FE / SE Asia to Europe
29.03.2004	Trans Europe	BUSAN	ROTTERDAM	9000M_J	FEASTEUR	Far East / Europe
31.03.2004	Asian Dynasty	KUWAIT	ROTTERDAM	FEEUR_Mar	FE_EUR	FE / SE Asia to Europe
31.03.2004	Trans Trotter	JEDDAH	JEDDAH	US_ME100	USMED	USEC / Middle East

Port	Arrival	Departure	Trade	Dist from prev port	
Vessel	Trans Trapper				TTRAP
NEW YORK & NEW JERSEY	22:19 08.jan.2004	10:19 11.jan.2004	US_EUR	410	
AMSTERDAM	03:36 19.jan.2004	15:36 19.jan.2004	US_EUR	3,411	
AMSTERDAM	15:36 19.jan.2004	03:36 20.jan.2004	EAF	0	
BREMERHAVEN	15:50 20.jan.2004	03:50 21.jan.2004	EAF	225	
NEWCASTLE UPON TYNE	00:14 22.jan.2004	12:14 22.jan.2004	EAF	375	
ANTWERP	07:12 23.jan.2004	19:12 23.jan.2004	EAF	351	
SOUTHAMPTON	09:07 24.jan.2004	21:07 24.jan.2004	EAF	257	
LE HAVRE	03:21 25.jan.2004	15:21 25.jan.2004	EAF	114	
SANTANDER	20:52 26.jan.2004	08:52 27.jan.2004	EAF	543	
PORT ELIZABETH	00:28 10.feb.2004	12:28 10.feb.2004	EAF	6,030	
EAST LONDON	19:55 10.feb.2004	07:55 11.feb.2004	EAF	135	
DURBAN	22:04 11.feb.2004	10:04 12.feb.2004	EAF	261	
PORT LOUIS	22:19 15.feb.2004	10:19 16.feb.2004	EAF	1,551	
FREMANTLE	16:04 23.feb.2004	04:04 24.feb.2004	EAF	3,199	
MELBOURNE	23:31 27.feb.2004	11:31 28.feb.2004	EAF	1,681	
SYDNEY (AUSTRALIA)	19:12 29.feb.2004	07:12 01.mar.2004	EAF	582	
BRISBANE	11:16 02.mar.2004	23:16 02.mar.2004	EAF	515	
NOUMEA	20:09 04.mar.2004	08:09 05.mar.2004	EAF	825	
YOKOHAMA	05:02 14.mar.2004	17:02 14.mar.2004	EAF	3,916	
YOKOHAMA	17:02 14.mar.2004	17:02 14.mar.2004	FE_EUR	0	
SUEZ CANAL	10:04 01.apr.2004	10:04 01.apr.2004	FE_EUR	7,819	
ROTTERDAM	00:43 09.apr.2004	00:43 12.apr.2004	FE_EUR	3,361	
ROTTERDAM	00:43 12.apr.2004	12:43 14.apr.2004	EUWA	0	
ABIDJAN	23:31 22.apr.2004	05:31 29.apr.2004	EUWA	3,730	
NEW YORK & NEW JERSEY	06:14 09.mai.2004	18:14 11.mai.2004	US_EUR	4,429	

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RORO / Car Carriers / Base Op 1

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Port	Arrival	Departure	Trade	Dist from prev port
Vessel Trans Trapper				TTRAP
AMSTERDAM	11:31 19.mai.2004	23:31 19.mai.2004	US_EUR	3,411
AMSTERDAM	23:31 19.mai.2004	11:31 20.mai.2004	EAF	0
BREMERHAVEN	23:45 20.mai.2004	11:45 21.mai.2004	EAF	225
NEWCASTLE UPON TYNE	08:09 22.mai.2004	20:09 22.mai.2004	EAF	375
ANTWERP	15:07 23.mai.2004	03:07 24.mai.2004	EAF	351
SOUTHAMPTON	17:02 24.mai.2004	05:02 25.mai.2004	EAF	257
LE HAVRE	11:16 25.mai.2004	23:16 25.mai.2004	EAF	114
SANTANDER	04:48 27.mai.2004	16:48 27.mai.2004	EAF	543
PORT ELIZABETH	08:24 10.jun.2004	20:24 10.jun.2004	EAF	6,030
EAST LONDON	03:50 11.jun.2004	15:50 11.jun.2004	EAF	135
DURBAN	06:00 12.jun.2004	18:00 12.jun.2004	EAF	261
PORT LOUIS	06:14 16.jun.2004	18:14 16.jun.2004	EAF	1,551
FREMANTLE	00:00 24.jun.2004	12:00 24.jun.2004	EAF	3,199
MELBOURNE	07:26 28.jun.2004	19:26 28.jun.2004	EAF	1,681
SYDNEY (AUSTRALIA)	03:07 30.jun.2004	15:07 30.jun.2004	EAF	582
BRISBANE	19:12 01.jul.2004	07:12 02.jul.2004	EAF	515
NOUMEA	04:04 04.jul.2004	16:04 04.jul.2004	EAF	825
YOKOHAMA	12:57 13.jul.2004	00:57 14.jul.2004	EAF	3,916

Vessel Trans Trov				TTROV
NEW YORK & NEW JERSEY	21:07 10.jan.2004	09:07 13.jan.2004	US_EUR	3,383
AMSTERDAM	07:26 20.jan.2004	19:26 20.jan.2004	US_EUR	3,411
NEW YORK & NEW JERSEY	17:45 27.jan.2004	05:45 30.jan.2004	US_EUR	3,411
AMSTERDAM	04:04 06.feb.2004	16:04 06.feb.2004	US_EUR	3,411
NEW YORK & NEW JERSEY	14:24 13.feb.2004	02:24 16.feb.2004	US_EUR	3,411

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Days in ballast as % of days at sea

