**SCENARIOS OF THE EXERCISE**

**“LOADING OPERATIONS OF CONTAINER VESSEL”**

**TASK SCENARIO AND INITIAL DATA**

Container vessel, arriving into the port DURBAN / SOUTH AFRICA (ZADUR), for loading container cargo, with destination two ports PORT KELANG / MALAYSIA (MYPKG) and port SINGAPORE / SINGAPORE (SGSIN ).

The vessel is partly loaded but has to load containers in some empty bays.

**1. THE VESSEL’S PARTICULARS**

Vessel’s Name/Call Sign TROYBURG /ELXO3/

Nationality LIBERIA

Port of Registry MONROVIA

Owner Troyburg Shipping Corporation

IMO No. 9999999

Builder /Year Built /Yard no. Bremer-Vulkan AG /8th Feb 1988 / BV 82

Type of Ship Geared Container Carrier

Class Hull +100 A 5 E Containership SOLAS II-2, Reg.54

Class Machinery +MC E Aut

**2. DIMENSIONS**

Length over all 176.57 m / 579’04’’

Length between perpendiculars 167.67 m / 550’01’’

Distance: Bridge to bow 160.26 m / 525’10’’

Bridge to stern 16.31 m / 53’06’’

Breadth (mld) 27.50 m / 90’03’’

Depth (mld) 14.30 m / 46’11’’

Height (antennas untilted) 52.50 m / 172’03’’

Height (to radar mast) 47.20 m / 154’10’’

Height to Bridge 3.80 m / 110’11’’

Summer max draught (mld) 10.52 m / 34’06’’ TPC =39.6 mts

Freshwater Allowance 0.21 m

Tropical Freshwater Allowance 0.44 m

**3.TONNAGE:**

International 1969 Gross = 18037, Net = 10484

Suez - Canal Gross = 18457.13 Net = 15308,95

Panama - Canal Net = 16127 ACP ID no: 384381

**4. PROPULSION:**

Main Engine Type: BV MAN B&W 6L 60MC

Total rated power: 9880 kW / 13325 bhp at RPM 115

Propeller Right-handed, 4 Blades / Diameter 6.000 m / Pitch 4.765 m

Bowthruster 880 kW / 1196 hp

Service Speed 17.5 knots

**5.CAPACITY:**

Summer DWT 26152 mts

Light Ship 7538 mts

Ballast 6411 mts

HFO 2050 mts

MDO 181 mts

FW 343 mts

LO 135 mts

Container Capacity 1474 TEU (+162 FEU)

The voyage, after loading containers, will be direct to the first port – Port Kelang, next port - Port Singapore. The Exercise includes loading containers into a designated bay, according to all requirements, bunkering HFO, MGO, and Fresh Water, to arrive to the last port of discharging cargo, the port of next bunkering – port Singapore. All requirement data are given in appendixes #1, #2, #3, and #4.

**Table 1. Criteria of assessment**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Requirement** | **Documents** | **Actual requirements** | **Fulfilled or NO** | | **Grade** |
| Sufficient Bunker | Voyage order | Should be enough bunker, to reach last port of discharging |  | | 1 |
| Stability | IMO Resolution MSC.267 (85) | After complete loading, a vessel should have sufficient stability up to the last port of discharging |  | | 2 |
| Port Rotation | Voyage order | Containers should be loaded following ports of discharging |  | | 1 |
| Stach weight or max.weight | Cargo securing manual | Containers should be loaded not exceeding stack weights in bays |  | | 1 |
| IMO DG Dangerous Goods | IMO DG Code and vessels certificate for carriage of DG | Dangerous cargo should be loaded according to IMO DG requirements, following segregation rules, also following requirements vessel’s certificate for carriage Dangerous Goods |  | | 1 |
| OVW Cargo | Loading Plan | In case of loading OVW cargo, containers should be loaded accordingly, leaving space in necessary directions from container |  | | 1 |
| Reefer containers | Cargo securing manual and vessels plan | When loading reefer containers, should be the correct position for this reefer containers, for the plugging them to vessel’s el. power sockets |  | | 1 |
| Lashing forces | Cargo securing manual | Loaded containers, after lashing, should not exceed 100% lashing forces |  | | 1 |
| All documents received | Voyage order and IMO SOLAS requirements, IMO resolution MSC.1 Circ.1475, CSC convention | **Verification of the gross mass of packed containers – amendments to SOLAS regulation VI/2**  **Circular Letter No.3624**  IMO DG Manifest |  | | 1 |
| **TOTAL** | | | |  | **10** |

Appendix 1

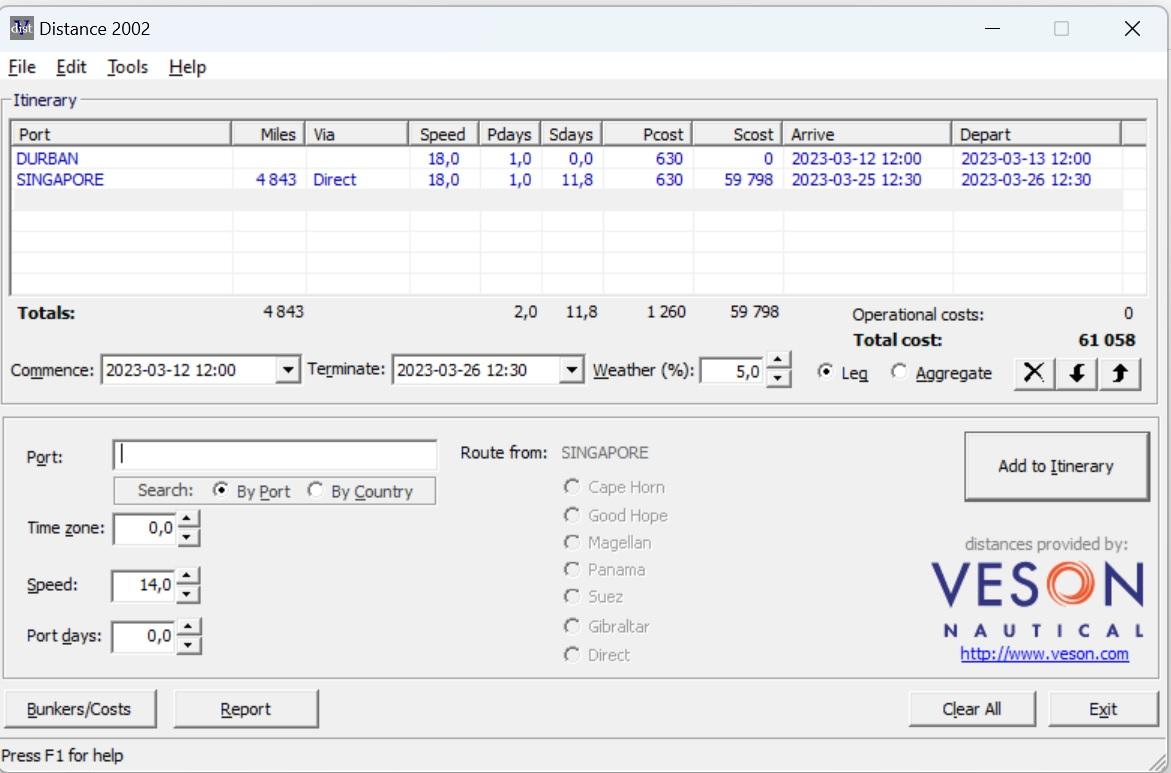
Containers Plan

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| M/V "TROYBURG" | | | | | | | | |
| ON DECK: | **20' CONTAINERS** | | | | | | | | | | | | | | | | | | | |
|  | |  | |  | | |  | | |  | |  |  | |  | |  | |  |
| **Row** | **10** | **08** | | **06** | | **04** | **02** | | | **00** | | **01** | | | **03** | | **05** | | **07** | | | **09** | |
| **Bay** |  |  | |  | |  |  | | |  | |  | | |  | |  | |  | | |  | |
| **1** |  | 50 | | 50 | | 50 | 50 | | | 50 | | 50 | | | 50 | | 50 | | 50 | | |  | |
| **3** | 50 | 50 | | 50 | | 50 | 50 | | | 50 | | 50 | | | 50 | | 50 | | 50 | | | 50 | |
| **5** | 50 | 50 | | 50 | | 50 | 50 | | | 50 | | 50 | | | 50 | | 50 | | 50 | | | 50 | |
| **7** | 50 | 50 | | 50 | | 50 | 50 | | | 50 | | 50 | | | 50 | | 50 | | 50 | | | 50 | |
| **11** | 50 | 50 | | 50 | | 50 | 50 | | | 50 | | 50 | | | 50 | | 50 | | 50 | | | 50 | |
| **13** | 50 | 50 | | 50 | | 50 | 50 | | | 50 | | 50 | | | 50 | | 50 | | 50 | | | 50 | |
| **15** | 50 | 50 | | 50 | | 50 | 50 | | | 50 | | 50 | | | 50 | | 50 | | 50 | | | 50 | |
| **17** | 50 | 50 | | 50 | | 50 | 50 | | | 50 | | 50 | | | 50 | | 50 | | 50 | | | 50 | |
| **19** | 50 | 50 | | 50 | | 50 | 50 | | | 50 | | 50 | | | 50 | | 50 | | 50 | | | 50 | |
| **21** | 50 | 50 | | 50 | | 50 | 50 | | | 50 | | 50 | | | 50 | | 50 | | 50 | | | 50 | |
| **25** | 50 | 50 | | 50 | | 50 | 50 | | | 50 | | 50 | | | 50 | | 50 | | 50 | | | 50 | |
| **27** | 50 | 50 | | 50 | | 50 | 50 | | | 50 | | 50 | | | 50 | | 50 | | 50 | | | 50 | |
| **29** | 50 | 50 | | 50 | | 50 | 50 | | | 50 | | 50 | | | 50 | | 50 | | 50 | | | 50 | |
| **31** | 50 | 50 | | 50 | | 50 | 50 | | | 50 | | 50 | | | 50 | | 50 | | 50 | | | 50 | |
| **33** | 50 | 50 | | 50 | | 50 | 50 | | | 50 | | 50 | | | 50 | | 50 | | 50 | | | 50 | |
| **35** | 50 | 50 | | 50 | | 50 | 50 | | | 50 | | 50 | | | 50 | | 50 | | 50 | | | 50 | |
| **37** | 50 | 50 | | 50 | | 50 | 50 | | | 50 | | 50 | | | 50 | | 50 | | 50 | | | 50 | |
| **39** | 50 | 50 | | 50 | | 50 | 50 | | | 50 | | 50 | | | 50 | | 50 | | 50 | | | 50 | |
|  |  | |  | |  | | |  | | |  | |  |  | |  | |  | |  |  | |
| **HOLD:** | **10** | **08** | | **06** | | **04** | **02** | | | **00** | | **01** | | | **03** | | **05** | | **07** | | | **09** | |
| **1** |  |  | | 24 | | 48 | 120 | | |  | | 120 | | | 48 | | 24 | |  | | |  | |
| **3** |  | 24 | | 48 | | 96 | 120 | | |  | | 120 | | | 96 | | 48 | | 24 | | |  | |
| **5** |  | 24 | | 72 | | 96 | 120 | | |  | | 120 | | | 96 | | 72 | | 24 | | |  | |
| **7** |  | 48 | | 96 | | 120 | 120 | | |  | | 120 | | | 120 | | 96 | | 48 | | |  | |
| **11** |  | 72 | | 96 | | 120 | 120 | | | 120 | | 120 | | | 120 | | 96 | | 72 | | |  | |
| **13** |  | 96 | | 120 | | 120 | 120 | | | 120 | | 120 | | | 120 | | 120 | | 96 | | |  | |
| **15** |  | 96 | | 120 | | 120 | 120 | | | 120 | | 120 | | | 120 | | 120 | | 96 | | |  | |
| **17** |  | 120 | | 120 | | 120 | 120 | | | 120 | | 120 | | | 120 | | 120 | | 120 | | |  | |
| **19** |  | 120 | | 120 | | 120 | 120 | | | 120 | | 120 | | | 120 | | 120 | | 120 | | |  | |
| **21** |  | 120 | | 120 | | 120 | 120 | | | 120 | | 120 | | | 120 | | 120 | | 120 | | |  | |
| **25** |  | 120 | | 120 | | 120 | 120 | | | 120 | | 120 | | | 120 | | 120 | | 120 | | |  | |
| **27** |  | 120 | | 120 | | 120 | 120 | | | 120 | | 120 | | | 120 | | 120 | | 120 | | |  | |
| **29** |  | 120 | | 120 | | 120 | 120 | | | 120 | | 120 | | | 120 | | 120 | | 120 | | |  | |
| **31** |  | 120 | | 120 | | 120 | 120 | | | 120 | | 120 | | | 120 | | 120 | | 120 | | |  | |
| **33** |  | 120 | | 120 | | 120 | 120 | | | 120 | | 120 | | | 120 | | 120 | | 120 | | |  | |
| **35** |  | 96 | | 120 | | 120 | 120 | | | 120 | | 120 | | | 120 | | 120 | | 96 | | |  | |
| **37** |  | 72 | | 96 | | 120 | 120 | | | 120 | | 120 | | | 120 | | 96 | | 72 | | |  | |
| **39** |  | 72 | | 96 | | 120 | 120 | | | 120 | | 120 | | | 120 | | 96 | | 72 | | |  | |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| M/V "TROYBURG" | | **40' CONTAINERS** | | | | | | | |  |  |
| ON DECK: | |  |  |  |  |  |  |  |  |  |  |
| **Row** | **10** | **08** | **06** | **04** | **02** | **00** | **01** | **03** | **05** | **07** | **09** |
| **Bay** |  |  |  |  |  |  |  |  |  |  |  |
| **02** | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| **06** | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| **12** | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| **16** | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| **20** | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| **26** | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| **30** | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| **34** | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| **38** | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| **44** | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **HOLD:** |  | **08** | **06** | **04** | **02** | **00** | **01** | **03** | **05** | **07** |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **02** |  |  | 30 | 60 | 150 |  | 150 | 60 | 30 |  |  |
| **06** |  | 30 | 90 | 120 | 150 |  | 150 | 120 | 90 | 30 |  |
| **12** |  | 90 | 120 | 150 | 150 | 150 | 150 | 150 | 120 | 90 |  |
| **16** |  | 120 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 120 |  |
| **20** |  | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |  |
| **26** |  | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |  |
| **30** |  | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |  |
| **34** |  | 120 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 120 |  |
| **38** |  | 90 | 120 | 150 | 150 | 150 | 150 | 150 | 120 | 90 |  |

Appendix 2

Calculation of distance from port Durban to port Singapore



Appendix 3

For the voyage from Durban to Singapore will be a necessary bunker of HFO. If the vessel proceeds with 18 knots, per day it will be 432 nm. Consumption of HFO for ME is about 50 MT HFO per day or 0,1156 MT per 1 nm. Total: 560 MT HFO. Plus, as per safety, stock for approximately 3 days more 150 MT. The total bunker will be 710 MT HFO. MGO using only in port, the bunker will be about 50 MT.

**Tank Condition**

|  |  |  |  |
| --- | --- | --- | --- |
| **HFO tanks** | **max mts** | **LO** | **max mts** |
| 1 HFO daily tank S | 52,6 | 11 Cylinder oil storage STBD | 40,7 |
| 2 HFO settling tank I S | 55,5 | 12 Lub oil storage STBD | 51,9 |
| 3 HFO settling t. II S | 58,2 | 14 Storage-Aux eng PORT | 8,5 |
| 4 HFO DB-tank no.6C | 236,4 | 19 Lub oil sump tank center | 24,5 |
| 5 HFO DB-tank no.5C | 473,4 |  |  |
| 6 HFO side tank no. 5P | 623,5 |  |  |
| 7 HFO side tank no. 5S | 623,7 | **other tanks** | **max mts** |
| 8 Fuel overflow t. P | 78,7 | 15 Sludge tank for separator | 42,0 |
|  |  | 16 Dirty tank | 6,1 |
| **MGO tanks** | **max mts** | 17 Stuffing box sumption | 2,3 |
| 9A DO daily tank S | 18,4 | 18 Dirty oil tank | 3,8 |
| 9B DO settling tank P | 18,4 | 13 Lub oil settling | 51,9 |
| 10P DO storage tank P | 88,8 | 20 Freshcoolwater tank | 14,3 |
| 10P DO storage tank S | 88,8 | 21 Feed water sump tank | 11,5 |

Appendix 4

RECEIVED CONTAINER LIST, TO BE LOADED IN PORT DURBAN AND PORT SINGAPURE (#12 (11;13) BAY PLAN)

**Bay Slot Container Id Size POL POD Weight Carrier Type Class Setting Height Full Delivery Opt Port**

011 0110402 KKTU 7036878 20 ZADUR SGSIN 24300 KL 2200 8'6 Full SGSIN   
011 0110984 MISU 2375200 20 ZADUR SGSIN 20250 MI 2200 9 8'6 Full SGSIN   
011 0110486 PRSU 2226697 20 ZADUR SGSIN 2000 MI 2200 8'6 MT SGSIN   
011 0110808 MISU 2322792 20 ZADUR SGSIN 21400 MI 2200 8'6 Full SGSIN   
011 0110806 KKTU 7027177 20 ZADUR SGSIN 22300 KL 2200 8'6 Full SGSIN   
011 0110784 CRXU 1676127 20 ZADUR SGSIN 20250 MI 2200 9 8'6 Full SGSIN   
011 0110108 MISU 2352056 20 ZADUR SGSIN 21400 MI 2200 8'6 Full SGSIN   
011 0110004 TEXU 3415674 20 ZADUR SGSIN 24300 KL 2200 8'6 Full SGSIN   
011 0110688 MISU 1206988 20 ZADUR SGSIN 2000 MI 2200 8'6 MT SGSIN   
011 0110884 TPHU 8325369 20 ZADUR SGSIN 14250 KL 2200 3 8'6 Full SGSIN   
011 0110886 CAXU 6464208 20 ZADUR SGSIN 2000 MI 2200 8'6 MT SGSIN   
011 0110388 GLDU 2273068 20 ZADUR SGSIN 2000 MI 2200 8'6 MT SGSIN   
011 0110786 CAXU 6367764 20 ZADUR SGSIN 2000 MI 2200 8'6 MT SGSIN   
011 0110386 MISU 2366337 20 ZADUR SGSIN 2000 MI 2200 8'6 MT SGSIN   
011 0111086 MISU 1337653 20 ZADUR SGSIN 2000 MI 2200 8'6 MT SGSIN   
011 0110586 CAXU 6394230 20 ZADUR SGSIN 2000 MI 2200 8'6 MT SGSIN   
011 0110504 KKTU 7484234 20 ZADUR SGSIN 24300 KL 2200 8'6 Full SGSIN   
011 0110986 MISU 2367333 20 ZADUR SGSIN 2000 MI 2200 8'6 MT SGSIN   
011 0110002 KKTU 7067061 20 ZADUR SGSIN 24300 KL 2200 8'6 Full SGSIN   
011 0110008 PCIU 3306123 20 ZADUR SGSIN 23200 PI 2200 8'6 Full CNSWA   
011 0110408 MISU 1327763 20 ZADUR SGSIN 23910 MI 2200 8'6 Full SGSIN   
011 0110604 PCIU 3789000 20 ZADUR SGSIN 28300 PI 2200 8'6 Full CNDLC   
011 0110102 PCIU 3804640 20 ZADUR SGSIN 28300 PI 2200 8'6 Full CNHUA   
011 0110506 PCIU 3716771 20 ZADUR SGSIN 23500 PI 2200 8'6 Full CNSHA   
011 0110708 TEXU 3904839 20 ZADUR SGSIN 21200 MI 2200 8'6 Full SGSIN   
011 0110308 MISU 2371267 20 ZADUR SGSIN 21400 MI 2200 8'6 Full SGSIN   
011 0110204 PCIU 3638175 20 ZADUR SGSIN 28300 PI 2200 8'6 Full CNDLC   
011 0110304 PCIU 3949011 20 ZADUR SGSIN 28300 PI 2200 8'6 Full CNDLC   
011 0110202 PCIU 3350640 20 ZADUR SGSIN 28300 PI 2200 8'6 Full CNHUA   
011 0110104 PCIU 3045550 20 ZADUR SGSIN 28300 PI 2200 8'6 Full CNDLC   
011 0110208 PCIU 3525060 20 ZADUR SGSIN 23500 PI 2200 8'6 Full CNSHA   
011 0110982 CAXU 6446879 20 ZADUR SGSIN 20250 MI 2200 9 8'6 Full SGSIN   
011 0110406 PCIU 3343826 20 ZADUR SGSIN 23500 PI 2200 8'6 Full CNSHA   
011 0110306 PCIU 3879064 20 ZADUR SGSIN 23200 PI 2200 8'6 Full CNSWA   
011 0110588 MISU 2315480 20 ZADUR SGSIN 2000 MI 2200 8'6 MT SGSIN   
011 0110608 MISU 1320199 20 ZADUR SGSIN 23080 MI 2200 8'6 Full SGSIN   
011 0110584 CAXU 6443479 20 ZADUR SGSIN 20250 MI 2200 9 8'6 Full SGSIN   
011 0110006 TTNU 1354141 20 ZADUR SGSIN 23200 PI 2200 8'6 Full CNSWA   
011 0110106 PCIU 3916698 20 ZADUR SGSIN 23200 PI 2200 8'6 Full CNSWA   
011 0110206 PCIU 3280899 20 ZADUR SGSIN 23500 PI 2200 8'6 Full CNSHA   
011 0110606 PCIU 3853413 20 ZADUR SGSIN 23500 PI 2200 8'6 Full CNSHA   
011 0110404 PCIU 3609752 20 ZADUR SGSIN 27200 PI 2200 8'6 Full KRPUS   
011 0110484 MISU 2348734 20 ZADUR SGSIN 20250 MI 2200 9 8'6 Full SGSIN   
011 0110706 FSCU 3526868 20 ZADUR SGSIN 23000 MI 2200 8'6 Full SGSIN   
011 0110482 TTNU 2251826 20 ZADUR SGSIN 20250 MI 2200 9 8'6 Full SGSIN   
011 0110508 MISU 1304496 20 ZADUR SGSIN 21400 MI 2200 8'6 Full SGSIN   
011 0110684 MSHU 2209329 20 ZADUR SGSIN 18250 PI 2200 3 8'6 Full TWKEL   
011 0111084 EOLU 3287951 20 ZADUR SGSIN 18250 PI 2200 3 8'6 Full TWKEL   
011 0110682 MISU 2350048 20 ZADUR SGSIN 20250 MI 2200 9 8'6 Full SGSIN   
011 0111082 FSCU 3225437 20 ZADUR SGSIN 20250 MI 2200 9 8'6 Full SGSIN   
011 0110488 MISU 2344359 20 ZADUR SGSIN 2000 MI 2200 8'6 MT SGSIN   
011 0110882 MLCU 2499130 20 ZADUR SGSIN 20250 MI 2200 9 8'6 Full SGSIN   
011 0110582 MLCU 2996856 20 ZADUR SGSIN 20250 MI 2200 9 8'6 Full SGSIN   
011 0110686 KLTU 7646112 20 ZADUR SGSIN 6930 KL 2200 8'6 Full SGSIN   
011 0110382 FSCU 7352086 20 ZADUR SGSIN 20250 MI 2200 9 8'6 Full SGSIN   
011 0110782 MISU 2360339 20 ZADUR SGSIN 20250 MI 2200 9 8'6 Full SGSIN   
011 0110384 MLCU 2663500 20 ZADUR SGSIN 20250 MI 2200 9 8'6 Full SGSIN   
011 0110302 KKTU 7211923 20 ZADUR SGSIN 24300 KL 2200 8'6 Full SGSIN   
012 0120282 KKFU 1075194 40 ZADUR SGSIN 19200 KL 4200 8'6 Full SGSIN   
012 0120590 KLFU 1117502 40 ZADUR SGSIN 3500 KL 4200 8'6 MT SGSIN   
012 0120188 GATU 4050919 40 ZADUR SGSIN 3500 PI 4200 8'6 MT SGSIN   
012 0120088 PCIU 4457438 40 ZADUR SGSIN 3500 PI 4200 8'6 MT SGSIN   
012 0120184 GSTU 6922534 40 ZADUR SGSIN 3500 PI 4200 8'6 MT SGSIN   
012 0120810 TTNU 4322092 40 ZADUR SGSIN 3500 PI 4200 8'6 MT SGSIN   
012 0120988 PCIU 4462630 40 ZADUR SGSIN 3500 PI 4200 8'6 MT SGSIN   
012 0120082 CAXU 7215637 40 ZADUR SGSIN 14300 MI 4200 8'6 Full SGSIN   
012 0120890 PCIU 4478364 40 ZADUR SGSIN 3500 PI 4200 8'6 MT SGSIN   
012 0120290 KKFU 1162200 40 ZADUR SGSIN 3500 KL 4200 8'6 MT SGSIN   
012 0120310 KKFU 1159280 40 ZADUR SGSIN 26900 KL 4200 8'6 Full SGSIN   
012 0120210 MISU 5159842 40 ZADUR SGSIN 29470 MI 4200 8'6 Full SGSIN   
012 0120284 TRIU 4554493 40 ZADUR SGSIN 11220 PI 4200 8'6 Full CNNGB   
012 0120286 ATKU 4300680 40 ZADUR SGSIN 3500 PI 4200 8'6 MT SGSIN   
012 0120086 PCIU 4453788 40 ZADUR SGSIN 3500 PI 4200 8'6 MT SGSIN   
012 0120790 PCIU 4464381 40 ZADUR SGSIN 3500 PI 4200 8'6 MT SGSIN   
012 0120510 KKFU 1437307 40 ZADUR SGSIN 26300 KL 4200 8'6 Full SGSIN   
012 0120410 KKFU 1261178 40 ZADUR SGSIN 25490 KL 4200 8'6 Full SGSIN   
012 0120090 KKFU 1309435 40 ZADUR SGSIN 3500 KL 4200 8'6 MT SGSIN   
012 0120888 TTNU 4964657 40 ZADUR SGSIN 3500 PI 4200 8'6 MT SGSIN   
012 0121090 EOLU 4302114 40 ZADUR SGSIN 3500 PI 4200 8'6 MT SGSIN   
012 0120110 KKFU 1532264 40 ZADUR SGSIN 26300 KL 4200 8'6 Full SGSIN   
012 0120788 PCIU 4438206 40 ZADUR SGSIN 3500 PI 4200 8'6 MT SGSIN   
012 0120288 TTNU 5100891 40 ZADUR SGSIN 3500 PI 4200 8'6 MT SGSIN   
012 0120610 KKFU 1156090 40 ZADUR SGSIN 26900 KL 4200 8'6 Full SGSIN   
012 0120182 MLCU 4144308 40 ZADUR SGSIN 14300 MI 4200 8'6 Full SGSIN   
012 0121088 TTNU 4901392 40 ZADUR SGSIN 3500 PI 4200 8'6 MT SGSIN   
012 0120084 TRIU 5509924 40 ZADUR SGSIN 3500 PI 4200 8'6 MT SGSIN   
012 0120990 TRIU 5730806 40 ZADUR SGSIN 3500 PI 4200 8'6 MT SGSIN   
012 0120186 TTNU 4311858 40 ZADUR SGSIN 3500 PI 4200 8'6 MT SGSIN   
012 0120190 KKFU 1337294 40 ZADUR SGSIN 3500 KL 4200 8'6 MT SGSIN   
012 0120010 CAXU 4713467 40 ZADUR SGSIN 26300 KL 4200 8'6 Full SGSIN   
012 0120710 MISU 5131336 40 ZADUR SGSIN 22000 MI 4200 8'6 Full SGSIN   
013 0130482 PCIU 3682054 20 ZADUR SGSIN 18250 PI 2200 3 8'6 Full TWKEL   
013 0130982 PCIU 3040183 20 ZADUR SGSIN 19700 PI 2200 8 8'6 Full IDJKT   
013 0130508 TTNU 3102616 20 ZADUR SGSIN 23500 PI 2200 8'6 Full CNSHA   
013 0130206 MISU 2339265 20 ZADUR SGSIN 21800 MI 2200 8'6 Full SGSIN   
013 0130308 PCIU 3839499 20 ZADUR SGSIN 23500 PI 2200 8'6 Full CNSHA   
013 0130608 PCIU 3953161 20 ZADUR SGSIN 23500 PI 2200 8'6 Full CNSHA   
013 0130204 PCIU 3774145 20 ZADUR SGSIN 27200 PI 2200 8'6 Full KRPUS   
013 0130404 PCIU 3275510 20 ZADUR SGSIN 27200 PI 2200 8'6 Full KRPUS   
013 0130986 TGHU 2747179 20 ZADUR SGSIN 2000 MI 2200 8'6 MT SGSIN   
013 0130602 PCIU 3101669 20 ZADUR SGSIN 27200 PI 2200 8'6 Full KRPUS   
013 0130408 PCIU 2387244 20 ZADUR SGSIN 23500 PI 2200 8'6 Full CNSHA   
013 0130886 MISU 2356880 20 ZADUR SGSIN 2000 MI 2200 8'6 MT SGSIN   
013 0130688 GLDU 2191822 20 ZADUR SGSIN 2000 MI 2200 8'6 MT SGSIN   
013 0130808 PCIU 3640402 20 ZADUR SGSIN 23200 PI 2200 8'6 Full CNSWA   
013 0130008 TGHU 2689730 20 ZADUR SGSIN 23500 PI 2200 8'6 Full CNSHA   
013 0130382 PCIU 3369815 20 ZADUR SGSIN 18250 PI 2200 3 8'6 Full TWKEL   
013 0130486 FSCU 3730758 20 ZADUR SGSIN 2000 MI 2200 8'6 MT SGSIN   
013 0130006 PCIU 3738148 20 ZADUR SGSIN 23500 PI 2200 8'6 Full CNSHA   
013 0130704 MISU 2330695 20 ZADUR SGSIN 21800 MI 2200 8'6 Full SGSIN   
013 0130686 PCIU 3537267 20 ZADUR SGSIN 4250 PI 2200 8'6 Full CNNGB   
013 0130582 INBU 3324830 20 ZADUR SGSIN 19700 PI 2200 8 8'6 Full IDJKT   
013 0130586 FSCU 3244150 20 ZADUR SGSIN 2000 MI 2200 8'6 MT SGSIN   
013 0130108 ATKU 3234861 20 ZADUR SGSIN 23500 PI 2200 8'6 Full CNSHA   
013 0130304 PCIU 3056908 20 ZADUR SGSIN 28300 PI 2200 8'6 Full CNHUA   
013 0130502 PCIU 3638895 20 ZADUR SGSIN 28300 PI 2200 8'6 Full CNHUA   
013 0130002 PCIU 3869404 20 ZADUR SGSIN 28300 PI 2200 8'6 Full CNHUA   
013 0130102 PCIU 3785730 20 ZADUR SGSIN 28300 PI 2200 8'6 Full CNHUA   
013 0130402 PCIU 3571066 20 ZADUR SGSIN 28300 PI 2200 8'6 Full CNHUA   
013 0130606 TGHU 2794606 20 ZADUR SGSIN 21400 MI 2200 8'6 Full SGSIN   
013 0130202 PCIU 3847637 20 ZADUR SGSIN 28300 PI 2200 8'6 Full CNHUA   
013 0130504 PCIU 3864233 20 ZADUR SGSIN 28300 PI 2200 8'6 Full CNHUA   
013 0130104 PCIU 3482462 20 ZADUR SGSIN 28300 PI 2200 8'6 Full CNDLC   
013 0130004 PCIU 3266191 20 ZADUR SGSIN 28300 PI 2200 8'6 Full CNDLC   
013 0130882 TEXU 3878112 20 ZADUR SGSIN 20250 MI 2200 9 8'6 Full SGSIN   
013 0130384 FSCU 3412593 20 ZADUR SGSIN 20250 MI 2200 9 8'6 Full SGSIN   
013 0131084 KLTU 1204068 20 ZADUR SGSIN 12790 KL 2200 8'6 Full SGSIN   
013 0130806 PCIU 3338645 20 ZADUR SGSIN 23500 PI 2200 8'6 Full CNSHA   
013 0130306 PCIU 3641461 20 ZADUR SGSIN 23500 PI 2200 8'6 Full CNSHA   
013 0130488 TRIU 1413634 20 ZADUR SGSIN 2000 MI 2200 8'6 MT SGSIN   
013 0130106 PCIU 3530513 20 ZADUR SGSIN 23500 PI 2200 8'6 Full CNSHA   
013 0130708 PCIU 2385010 20 ZADUR SGSIN 23500 PI 2200 8'6 Full CNSHA   
013 0130208 PCIU 3632876 20 ZADUR SGSIN 23500 PI 2200 8'6 Full CNSHA   
013 0130406 GLDU 2277042 20 ZADUR SGSIN 21400 MI 2200 8'6 Full SGSIN   
013 0130506 MISU 2368237 20 ZADUR SGSIN 21400 MI 2200 8'6 Full SGSIN   
013 0130804 PCIU 3716283 20 ZADUR SGSIN 23500 PI 2200 8'6 Full CNSHA   
013 0130604 PCIU 3318314 20 ZADUR SGSIN 28300 PI 2200 8'6 Full CNDLC   
013 0130588 CAXU 6090411 20 ZADUR SGSIN 2000 MI 2200 8'6 MT SGSIN   
013 0130682 MISU 2320505 20 ZADUR SGSIN 20250 MI 2200 9 8'6 Full SGSIN   
013 0130786 MISU 1336847 20 ZADUR SGSIN 2000 MI 2200 8'6 MT SGSIN   
013 0130984 MISU 2343901 20 ZADUR SGSIN 20250 MI 2200 9 8'6 Full SGSIN   
013 0130884 MISU 2353176 20 ZADUR SGSIN 11000 MI 2200 8'6 Full SGSIN   
013 0130782 PCIU 3733090 20 ZADUR SGSIN 19700 PI 2200 8 8'6 Full THBKK   
013 0130706 KKTU 7209490 20 ZADUR SGSIN 21160 KL 2200 8'6 Full SGSIN   
013 0130484 MISU 2355008 20 ZADUR SGSIN 20250 MI 2200 9 8'6 Full SGSIN   
013 0130388 MLCU 3509042 20 ZADUR SGSIN 2000 MI 2200 8'6 MT SGSIN   
013 0130784 MLCU 2652059 20 ZADUR SGSIN 20250 MI 2200 9 8'6 Full SGSIN   
013 0130302 KLTU 1134443 20 ZADUR SGSIN 24300 KL 2200 8'6 Full SGSIN   
013 0130386 MISU 2360750 20 ZADUR SGSIN 2000 MI 2200 8'6 MT SGSIN   
013 0130684 KKTU 7554476 20 ZADUR SGSIN 16900 KL 2200 8'6 Full SGSIN   
013 0131082 FSCU 7603263 20 ZADUR SGSIN 20250 MI 2200 9 8'6 Full SGSIN   
013 0130584 MISU 2322370 20 ZADUR SGSIN 20250 MI 2200 9 8'6 Full SGSIN