

We can offer following LPG Tanker, about 1,663 DWT, built 1985;

|  |   |
|--|---|
| <b>Builder</b>   | BV Sheepwert, Waterhuisen<br>Netherland |
| Name of yard vessel built at   | Netherland                              |
| Hull number  | 357                                     |
| Date keel laid   | 20 May.1985                             |
| Date launched  |   |
| Date delivered   | 07 Dec. 1985                            |
| Date of completion of major hull changes, - if any.                                  |   |
| If changes were made, what changes were made and at which yard were they carried out |   |

### CLASSIFICATION

|  |                               |         |
|--|-------------------------------|---------|
| Classification society                                       | Bureau<br>Veritas             |         |
| Class Notation   | I 3/3 E Deep sea,Ice Class II |         |
| If Classification society changed, name of previous society  |                               |         |
| If Classification society changed, date of change            |                               |         |
| Was ship built in accordance with the following regulations: | Approval<br>Received          |         |
| IMO  | yes                           | yes     |
| US COAST GUARD   |                               |         |
| RINA   | yes                           |         |
| Suez ,Panama   | yes                           | yes     |
| IMO certification  |                               |         |
| Certificate of fitness - IGC                                 |                               | yes     |
| Certificate - A328   |                               | yes     |
| Certificate - A329   |                               |         |
| Letter of Compliance   |                               |         |
| Issued by  |                               |         |
| Unattended Machinery Space Certificate                       |                               | AUT-MS  |
| Net Registered Tonnage                                       |                               | 782.77  |
| Gross Registered Tonnage                                     |                               | 1376.44 |
| Suez Net Tonnage - Canal Tonnage                             |                               | 1293.95 |
| Suez Gross Tonnage   |                               |         |
| Panama Net Tonnage - Canal Tonnage                           |                               | 1908.92 |
| Panama Gross Tonnage   |                               |         |

### HULL DIMENSIONS

|  |       |        |
|--|-------|--------|
| Length overall (LOA)                       | 70.9  | Metres |
| Length between perpendiculars (LBP)        | 63.1  | Metres |
| Distance bow to bridge                     | 53.33 | Metres |
| Distance bridge front - mid point manifold | 22.97 | Metres |

|   |        |              |
|---|--------|--------------|
| Distance bow to mid-point manifold      | 30.36  | Metres       |
| Extreme breadth                         | 12.8   | Metres       |
| Extreme depth                           | 6      | Metres       |
| Summer draught                          | 5.41   | Metres       |
| Corresponding Summer deadweight         | 1941   | Tonnes       |
| Light displacement                      | 1099   | Tonnes       |
| Loaded displacement (Summer deadweight) | 3040   | Tonnes       |
| Cargo tanks cubic capacity - 100%       | 1622   | Cubic metres |
| Deck tank(s) cubic capacity - 100%      |        | Cubic metres |
| Cargo tanks cubic capacity - 98%        | 1589.9 | Cubic metres |
| Deck tank(s) cubic capacity - 98%       |        | Cubic metres |
| Distance from keel to highest point     | 31     | Metres       |
| Air draught (normal ballast condition)  | 21.4   | Metres       |

#### IMMERSION

|   |               |                |
|---|---------------|----------------|
|   | Tonnes / cm @ | metres draught |
| TPC - in normal ballast condition             | 6,42          | 3.75           |
| TPC - in loaded condition (summer deadweight) | 7,35          | 5,41           |

#### LOADED PARTICULARS

|                   |         |         |        |
|-------------------|---------|---------|--------|
| Cargo grade       | Butane  | Propane |        |
| Density           | 0,58    | 0,51    |        |
| Cargo loadable    | 953.00  | 926.00  | Tonnes |
| Bunkers - FO      |         |         | Tonnes |
| Bunkers - DO      | 153.00  | 153.00  | Tonnes |
| Fresh water       | 44.00   | 44.00   | Tonnes |
| Stores & spares   | 20.00   | 20.00   | Tonnes |
| Lub oil           | 5.00    | 5.00    | Tonnes |
| Ballast           | 495.00  | 495.00  | Tonnes |
| Deadweight        | 1663.00 | 1543.00 | Tonnes |
| Draught - forward |         |         | Metres |
| Draught - aft     |         |         | Metres |
| Draught - mean    | 5,05    | 5,02    | Metres |

|                   |         |         |        |
|-------------------|---------|---------|--------|
| Cargo grade       | Ammonia | VCM     |        |
| Density           | 0,68    | 0,97    |        |
| Cargo loadable    | 1082.00 | 1543.00 | Tonnes |
| Bunkers - FO      |         |         | Tonnes |
| Bunkers - DO      | 153.00  | 153.00  | Tonnes |
| Fresh water       | 44.00   | 44.00   | Tonnes |
| Stores & spares   | 20.00   | 20.00   | Tonnes |
| Lub oil           | 5.00    | 5.00    | Tonnes |
| Ballast           | 395.00  | 184.00  | Tonnes |
| Deadweight        | 1718.00 | 1936.00 | Tonnes |
| Draught - forward |         |         | Metres |
| Draught - aft     |         |         | Metres |
| Draught - mean    | 5,10    | 5,41    | Metres |

|            |  |    |        |
|------------|--|----|--------|
| Light ship |  | 18 | Metres |
|------------|--|----|--------|

|  |      |        |
|--|------|--------|
| Forward to mid-point manifold - light ship     | 29.2 | Metres |
| Aft to mid-point manifold - light ship         | 41.7 | Metres |
| Normal ballast                                 | 70.9 | Metres |
| Forward to mid-point manifold - normal ballast | 29.2 | Metres |
| Aft to mid-point manifold - normal ballast     | 41.7 | Metres |
| Loaded SDWT                                    | 34   | Metres |
| Forward to mid-point manifold - loaded SDWT    | 5    | Metres |
| Aft to mid-point manifold - loaded SDWT        | 29   | Metres |

### BUNKER CAPACITIES

|   |                      |
|---|----------------------|
|   | Grade                |
| Main Engine -Grade MDO-DMB ISO8217-2005 | Capacity 98% 140 cm3 |
| Auxiliary engine : MGO-DMA ISO8217-2005 | Capacity 98% 34 cm3  |
| Other: _____                            | Gas oil              |

### FUEL CONSUMPTION DETAILS

|  |         |     |            |
|--|---------|-----|------------|
|  | Grade   |     |            |
| At sea - normal service speed                            | MDO-DMB | 5,0 | Tonnes/day |
| MDO-DMB ISO8217-2005                                     | MGO-DMA | 0,0 | Tonnes/day |
| MGO-DMA ISO8217-2005                                     |         |     | Tonnes/day |
| At sea - normal service speed - while conditioning cargo | MDO-DMB | 5,6 | Tonnes/day |
|  | MGO-DMA | 0,0 | Tonnes/day |
|  |         |     | Tonnes/day |
| In port - loading  | MDO-DMB | 0,0 | Tonnes/day |
|  | MGO-DMA | 1,2 | Tonnes/day |
|  |         |     | Tonnes/day |
| In port - discharging                                    | MDO-DMB | 0,0 | Tonnes/day |
|  | MGO-DMA | 1,2 | Tonnes/day |
|  |         |     | Tonnes/day |
| In port - idle   | MDO-DMB | 0,0 | Tonnes/day |
|  | MGO-DMA | 0,6 | Tonnes/day |
|  |         |     | Tonnes/day |

### SPEED/CONSUMPTION

Copies of the vessel's Speed and Consumption Graph for both Laden and Ballast conditions are enclosed?

### MAIN ENGINE PARTICULARS

|  |                   |         |
|--|-------------------|---------|
| Main engine make and type                  | DEUTZ SBV 8M 628  |         |
| Number of units                            | 1                 |         |
| Maximum continuous rating (MRC) per engine | SHP @<br>1799 SHP | 750 RPM |
| Total available power                      | 1799              | HP      |
| Normal service power                       | 1620              | HP      |

### AUXILIARY PLANTS

|   |                        |
|---|------------------------|
| Make and type of auxiliary generators / engines | 2 MWM TBD 234 - V08, 1 |
|---|------------------------|

|  |               |     |           |
|--|---------------|-----|-----------|
|  | MWM           |     |           |
|  | TBD 234 - VO6 |     |           |
| Number of units  |               | 3   |           |
| Maximum generator output per unit                              | RPM           |     | Kilowatts |
| Unit no. 1   | 1800          |     | 250       |
| Unit no. 2   | 1800          |     | 250       |
| Unit no. 3   | 1800          |     | 250       |
| Total available power  | 440 Volts     | 60  | 1150      |
|  | Hz            |     | kilowatts |
| Emergency generator  |               |     |           |
| Emergency fire pump - type                                     | CENTRIFUGAL   |     |           |
| Delivery pressure  |               | 5,0 | Bar       |
| Motive power   | Diesel Engine |     |           |
| If electrical, - indicate power required                       |               |     | Kilowatts |
| Steering gear - type   | Hydraulic     |     |           |
| Indicate power required to steer the vessel with one pump unit |               | 4   | Kilowatts |

#### POWER/SPEED INFORMATION

|                      |         |      |        |
|----------------------|---------|------|--------|
| Trial data           | BHP     | 1799 |        |
|                      | MRC     | 1745 | SHP    |
|                      | Speed   | 12,0 | Knots  |
|                      | Draught | 4,2  | Metres |
| Normal service speed | BHP     | 1799 |        |
|                      | MRC     | 1520 | SHP    |
|                      | Speed   | 11,5 | Knots  |

#### THRUSTERS

|                |          |                |           |
|----------------|----------|----------------|-----------|
| Make and type  | PROMAC   |                |           |
| Bow thruster   | (output) | PD 200-1000-60 | Kilowatts |
| Stern thruster | (output) | 185            | Kilowatts |

#### FRESH WATER

|                             |           |      |        |
|-----------------------------|-----------|------|--------|
| Capacity of distilled tanks |           | N/A  | Tonnes |
| Capacity of domestic tanks  |           | 43,8 | Tonnes |
| Daily consumption           | Distilled | N/A  | Tonnes |
|                             | Domestic  | 2,5  | Tonnes |
| Daily evaporator capacity   |           | N/A  | Tonnes |

#### BALLAST CAPACITIES AND PUMPS

|                        |               |        |
|------------------------|---------------|--------|
| Tank                   | Capacity (m3) | Number |
| Fore peak              | 243           |        |
| Wing and or side tanks |               |        |
| Double bottom tanks    | 375           |        |
| Aft peak               | 65            |        |
| Other:                 |               |        |
| Total                  | 683           |        |

Ballast pump make and type  
Number of pumps  
Total capacity  
Location  
Control location

|       |            |         |
|-------|------------|---------|
| STORK | CELCZ      |         |
|       | 31,5 -10/8 |         |
|       | 2          |         |
|       | 120 -80    | M3/hour |
|       | Engine     |         |
|       | Engine     |         |



**1. VESSEL GENERAL VIEW**



**2. SHIPSIDE PORT FWD**



**3. SHIPSIDE PORT AFT**



**4. SHIPSIDE STBD FWD**



**5. SHIPSIDE STBD AFT**



**6. FORECASTLE STBD**

Page 1.



**7. FORECASTLE PORT**



**8. POOP DECK PORT**



**9. POOP DECK STBD**



**10. MAIN DECK**



**11. SUPERSTRUCTURE GENERAL VIEW**



**12. MAIN DECK FWD PORT**



**13. MAIN DECK FWD STBD**



**14. MAIN AFT PORT**



**15. MAIN DECK AFT STBD**



**16. CRANE**



**17. GALLEY**



**18. BRIDGE INTERIOR**



**19. MAIN ENGINE CYLINDER HEADS PLATFORM**



**20. MAIN ENGINE FUEL PP PLATFORM**



**21. ENGRM. LOWER STBD**



**22. ENGRM. LOWER PORT**



**23. AUX ENG. PLATFORM**



**24. STEERING GEAR**