

# M/T Emerald Star



Petro-Nav Inc.  
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Commercial Operator: Petro-Nav Inc., Montréal  
 Tel: (514) 843-8800  
 Fax: (514) 843-9195  
 Built: MTW Shipyard  
 Germany, 1992  
 Official No.: 814361  
 IMO No.: 9040077  
 Call Sign: VCBL  
 Port of Registry: Halifax, NS, Canada  
 Flag: Canadian  
 Type: Oil & Chemical Tanker  
 Class: GL+ 100AS E3 Chemical tanker type II

## MAIN PARTICULARS

GRT: 6,262  
 NRT: 3,154  
 Deadweight: 10,511  
 LOA: 123.71 m 405.87 feet  
 LBP: 118.16 m 387.66 feet  
 Breadth: 17.70 m 58.07 feet  
 Moulded Depth: 10.60 m 34.77 feet  
 Summer Draught SW: 8.36 m 27.43 feet

## COMPLIANCE WITH REGULATIONS

World-wide trading: Solas, Marpol, ISM,  
 USCG for foreign flag, Suez, Panama;  
 St. Lawrence Seaway

| TANK CAPACITY             | 1    |           | 2    |           | 3    |           | 4    |           | 5    |           | 6    |           | SUB-TOTAL      |         | SLOP TANKS |           | TOTAL          |         |
|---------------------------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|----------------|---------|------------|-----------|----------------|---------|
|                           | Port | Starboard | Port | Starboard | Port | Starboard | Port | Starboard | Port | Starboard | Port | Starboard | M <sup>3</sup> | US BBLS | Port       | Starboard | M <sup>3</sup> | US BBLS |
| 100% (in m <sup>3</sup> ) | 693  | 693       | 914  | 914       | 980  | 980       | 980  | 980       | 980  | 980       | 860  | 860       | 10,814         | 68,018  | 137        | 185       | 10,814         | 68,018  |
| 98% (in m <sup>3</sup> )  | 679  | 679       | 896  | 896       | 960  | 960       | 960  | 960       | 960  | 960       | 843  | 843       | 10,596         | 66,647  | 134        | 181       | 10,596         | 66,647  |

w Double hull, SBT  
 w Seven cargo segregations  
 w Thermal oil heat exchanger for cargo and heating coils for slop tanks

w Tank coating: epoxy  
 w Closed loading system

w Free float Heinrich ullage system for cargo tanks  
 w Loading programme including stability calculation  
 w 95% & 98% level alarms for cargo tanks

**CONVERSION FACTORS**  
 1 m = 3.2808 feet  
 1 m<sup>3</sup> = 6.28976 US bbls

## MACHINERY

1 Man B&W, 6L35MC, 5,032BHP (3,700 kW) & shaft generator  
 3 generators Deutz KHD TBD 604BV8, 595 kW/h each  
 BOW TRUSTER STT 330LK, 410 kW

## SPEED AND CONSUMPTION

Average speed: 12.5 knots  
 Consumption at sea: 14.0 mt/day fuel  
 1.0 mt/day diesel  
 Consumption in port: 3.0 mt/day diesel

## TANK CAPACITY

Diesel: 115 m<sup>3</sup>  
 Fuel: 325 m<sup>3</sup>  
 Ballast: 3,295 m<sup>3</sup>  
 Fresh water: 130 m<sup>3</sup>

## DISCHARGE CAPACITY

Maximum rate: 1,200 m<sup>3</sup>/h 7,548 US bbls/h  
 Rate per pump: 220 m<sup>3</sup>/h 1,384 US bbls/h

