

# M/T Diamond Star



Petro-Nav Inc.  
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Commercial Operator: Petro-Nav Inc., Montréal  
 Tel: (514) 843-8800  
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 Built: MTW Shipyard, Germany, 1993  
 Official No.: 814363  
 IMO No.: 9040089  
 Call Sign: VCBW  
 Port of Registry: Halifax, Canada  
 Flag: Canadian  
 Type: Chemical/Oil Tanker  
 Class: GL+100AS E3 Chemical tanker type II

**MAIN PARTICULARS**  
 Deadweight: 10,511  
 LOA: 123.71m 405.87 feet  
 LBP: 118.16m 387.66 feet  
 Breadth: 17.70m 58.07 feet  
 Moulded Depth: 10.60m 34.77 feet  
 Summer Draught SW: 8.36m 27.43 feet  
 GRT: 6,262  
 NRT: 3,154  
**COMPLIANCE WITH REGULATIONS**  
 Worldwide trading: Solas, Marpol, ISM, USCG for foreign flag, Suez, Panama; St. Lawrence Seaway,

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

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

- ◆ Tank coating: epoxy
- ◆ Closed loading system

- ◆ Free float Heinrich ullage system for cargo tanks
- ◆ Loading programme including stability calculation
- ◆ 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: 115.0 m<sup>3</sup>  
 Fuel: 325.0 m<sup>3</sup>  
 Ballast: 3,295.0 m<sup>3</sup>  
 Fresh water: 130.0 m<sup>3</sup>

## DISCHARGE CAPACITY

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

