

# SembShip Completes 5th Special Survey For Very Large Crude Carriers

With three decades of rich experience, and technical and project management expertise in complex Special Survey work for VLCCs, Sembawang Shipyard has been repeatedly chosen from amongst many internationally renowned competitors to undertake such survey work. Between May to August 1998, we successfully completed repairs to six VLCCs including two 5th Special Survey projects. At a time when VLCC tanker freight rates are good and therefore the factor of timely delivery is of importance as offhire time is costly to owners, SembShip has once again proven its track record in VLCC life extension and upgrading.

The 276,227 dwt Athos (1974 built) successfully underwent 5th Special Survey work in May 1998. Owned by Mobil Oil Francaise (France), the major work carried out on Athos included:

- ◆ Main engine and auxiliary engine overhaul
- ◆ Major pipework repairs / renewal on deck, pumproom and tanks
- ◆ Windlass and winches overhaul / repairs
- ◆ Installation of the aft Emergency Towing Arrangement
- ◆ Steel renewal in forepeak, deck, and various tanks
- ◆ Installation of the Global Maritime Distress and Safety System



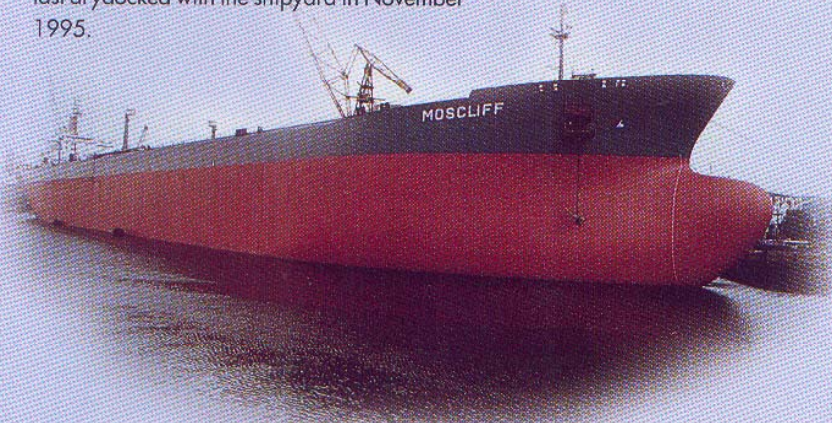
*Athos in Premier Dock*

SembShip also successfully completed the 5th Special Survey of the 1974 built Moscliff in August 1998 for major Norwegian shipowner, Mosvold Shipping AS. The 256,712 dwt VLCC underwent more than two months of extensive repairs, and major works carried out included:

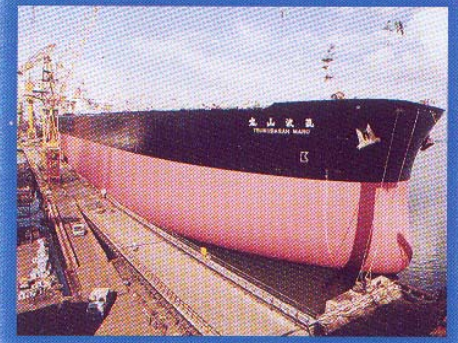
- ◆ Hull blasting and painting totalling 38,820 sqm
- ◆ Overhaul of tank gauging system

- ◆ Repair and overhaul of main engine
- ◆ Repairs of cargo pipes on main deck and inside cargo tanks
- ◆ Third stage feedwater heater retubed
- ◆ Installation of starboard bow chain stopper
- ◆ Renewal of defective sections of No.3 and No.4 (port and starboard) tanks shell and bulkhead
- ◆ Repairs and chemical cleaning of main and auxiliary boilers

Moscliff is no stranger to SembShip and was last drydocked with the shipyard in November 1995.



Moscliff ready to sail from the shipyard



Tsukubasan Maru

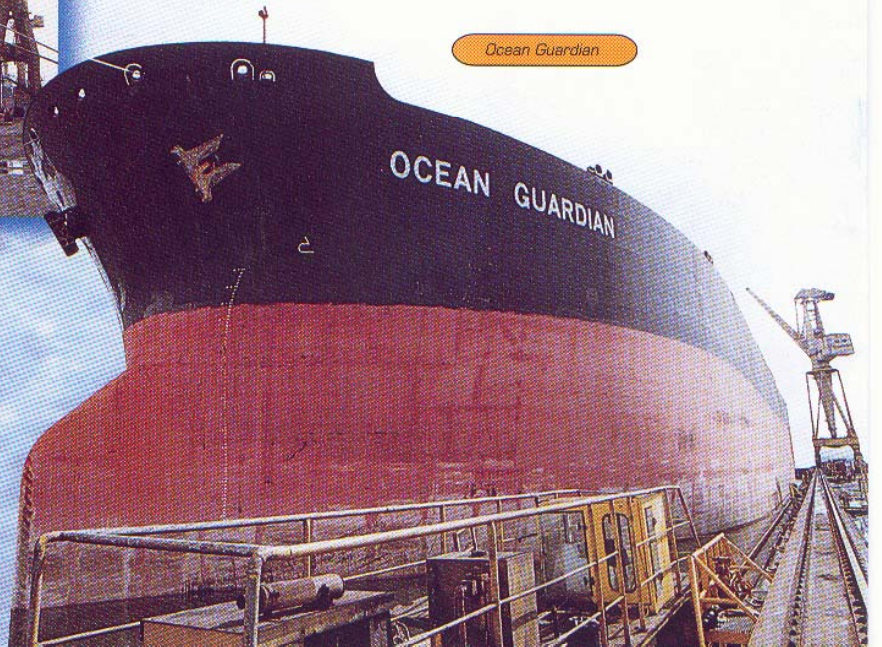
In addition to the two VLCC 5th Special Surveys completed, SembShip also carried out general repairs and drydocking work to another four Very Large Crude Carriers. They were 260,552 dwt Crane Princess from TMM Shipmanagement Consulting (Japan), 290,927 dwt Ocean Guardian from International Operations (Greece), 281,226 dwt C Achiever from SK Shipping Co. Ltd (South Korea) and 259,998 dwt Tsukubasan Maru from International Energy Transport (Japan).



C. Achiever



Crane Princess



Ocean Guardian