



LNG GUARDIAN

Type: Gas Terminal Support Vessel

Hull material: Steel

Owner: Fratelli Neri S.p.A

LNG GUARDIAN is a Stand-by/Rescue/Salvage/Assistance vessel specially built to perform operations at LNG Terminals, being able to continue with its tasks even during a gas escape in the FSRU terminal, thanks to its devised system of closing locks and conditioned air recirculation. This multipurpose ship is prepared for several operations like: assistance on berthing operations at offshore LNG Terminal, back-up ship-handling, towing, standby, salvage and rescue operations, antipollution services, firefighting operations and oil recovery.

MAIN PARTICULARS

General information

Hull material	Steel
Type	Gas Terminal Support Vessel
Delivery	2012
RINA Class notation	CX HULL CX MACH, SALVAGE TUG - RESCUE; SUPPLY VESSEL - STANDBY; OIL RECOVERY SHIP FP > 60°C; FIRE FIGHTING SHIP 1 - WATER SPRAYING CX AUT-UMS, SYS-NEQ 1, IWS

Dimensions

Length overall	45 m
Length between perpendiculars	42 m
Breadth moulded	12.5 m
Depth from main deck	6.2 m
Draught	4.9 m

Capacities

Fuel oil	390 m ³ + 88 m ³
Fresh water	60 m ³
Oil recovery	170 m ³

Accommodation

Crew	6
Survivors	45

PERFORMANCE & MACHINERY

Propulsion / Manoeuvring

Propulsion system	Twin Screw
Main engines	2 x MaK 6M 25C 9L, 2,000 kW each
Main propellers	2x Berg BCP-690 F, 4 Blades, 2,900 mm diameter, Full feathering system
Bow thruster	1 x Baliño HTT-1/900 mm Propeller, Hydraulic Driven, 200 kW

Features

Maximum speed	13.5 kt
Bollard pull ahead	75 ton
Range at 12 knots	4,600 nautical miles
Endurance at 4 knots	30 days

EQUIPMENT

Deck / Special equipment

Oil Recovery System	Oil boom on separate boom reel + Oil Skimmer (200 m ³ /h) operated by vessel deck crane + Storage tanks + Loading and discharge system + Dispersant system
Towing Pins	1 x Type: Karmøy Hydraulic Retractable
Deck cranes	1 x 5 t at 12 m
Main towing winches	1 x IBERCISA model MR-H/150/1000-54 + 1 x Towing Hook MAMPAEY
FiFi I system	2 x monitors of 1,200 m ³ /h capacity