KOYO MARU Ocean-going Salvage Tug



PARTICULARS OF "KOYO MARU"

I AITHOULAND OF	KOTO MATO
IMO No./Official No./Call sign	9162148 / 136582 / JLSC
Classification	NK,NS* (Tug and Salvage Purposes), MNS* (MO), DPS A
When built/Flag/Port of Registry	June 1998/Japan/Tokyo
Gross/International tonnage	2,096/2,474
Length (O.A.) \times Breadth \times Depth	86.08m × 14.50m × 6.70m
Speed	Max.18.15 knots, Cruising 16.2 knots
Range	15,500miles (twin), 23,000miles (single)
Main engine/HP	Diesel, DAIHATSU 8DLM-40A MCR: 5,000bhp × 515/180rpm × 2 Total: 10,000bhp
Certified Bollard Pull	132.5 metric tons
Screw	Controllable pitch propeller in fixed Kort Nozzle × 2 Schilling rudder × 2
Bow-thruster	Electric propulsion CPP, 650kW × 1, 10-ton thrust
Navigational devices	Integrated Bridge System INS, Joy Stick, Doppler Sonar, AIS DGPS, Kongsberg Maritime K-Pos DP1
Dynamo	AC440V × 1,000kVA × 2
Towing winch and ropes	Winch: 2drums, 45-tons \times 20m/min (brake capacity: 200 tons) Wires: 68m/m dia. \times 1,200m \times 2 sets Hawser: 100 \sim 135m/m dia. \times 1coil each
Derrick crane	(Fore) 4.5ton × 17m (Aft)10tons × 12m, 5tons × 12m
External fire-fighting	Fire fighting pump driven by port main engine: 1,920m²/hr × 150m × 1 Twin monitors: Hydraulic control fire fighting water gun; 20,000 ℓ /min × 0.98Mpa × 1 Electric control fire fighting water (or foam) gun; 12,000 ℓ /min × 0.88MPa × 1 Electric control fire fighting powder gun: 30kgs/sec × 1 Oil dispersant spraying gun: 500 ℓ /min × 0.20MPa × 4 Water curtain nozzle for cooling hull: 125 ℓ /min × 0.31MPa × 20 Fire fighting foam (Undiluted solution): 10,800 ℓ Fire fighting powder: 2,000kgs
Recovered oil storage tank	Capacity: 215.1m³

PRINCIPAL SALVAGE GEAR

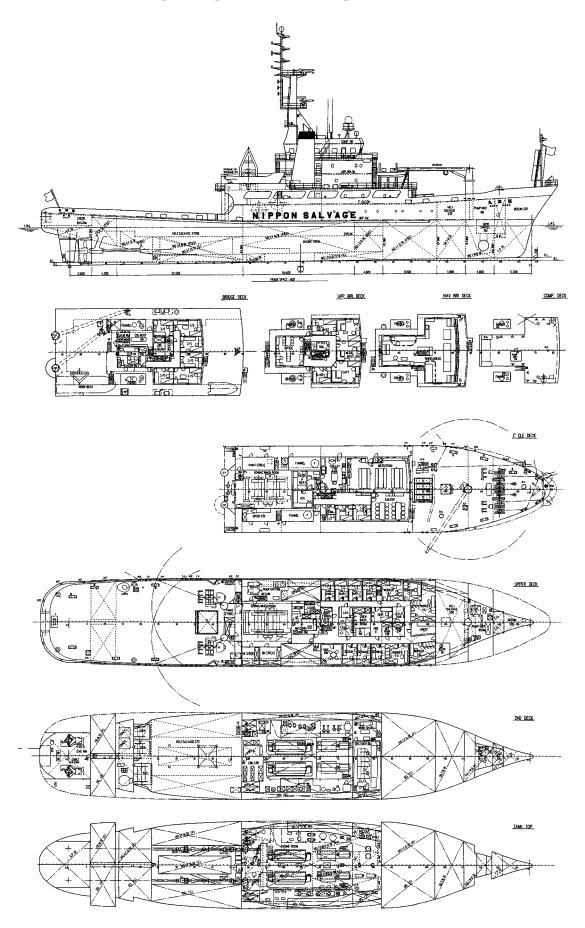
Salvage pump:	2" ~ 6" dia. × 15, 1,700 t/h
Fire-fighting pump:	1
Oil pump:	2
Compressor:	5.25m³/min.
Electric generator:	220/440V × 125kVA × 1, etc.
Underwater welding & cutting apparatus: 3sets	
Salvage anchor:	AC14Type 4.2t × 4

	Anchor chain:	58mm × 4shackles
	Ground tackle:	15sets
	Steel wire rope:	24 ~ 56m/m × 42coils
_	Diving apparatus:	5sets
	Work boat:	1
_	Oil boom:	200m
	Others:	Dyneema&syntheticropes, steel materials, BOV(optional), etc.

**All details are believed to be correct but not guaranteed.



Ocean-going Salvage Tug KOYO MARU(航洋丸)



The Nippon Salvage Co., Ltd.