GENERAL
YARD NUMBER 522814
DELIVERY DATE Q1, 2016
BASIC FUNCTIONS Transport of fuel and fresh water, reception of sullage/contaminated waters for harbor and coastal service.
CLASSIFICATION Lloyd’s Register ★100 A1 Double Hull Oil tanker Specified Coastal Service ★ LMC UMS *IWS Flashpoint >60°C
DIMENSIONS LENGTH O.A. 54.15 m
BEAM MLD. 12.25 m
DEPTH AT ½ SIDES 4.75 m
DRAUGHT 3.10 m
DEADWEIGHT 952 ton
TANK CAPACITIES FUEL OIL 39.0 m³
FRESH WATER 9.0 m³
CARGO FUEL OIL TANKS 578 m³
CARGO HFO TANKS 350 m³
PERFORMANCES (TRIALS) SPEED 11.1 knots
PROPulsion SYSTEM MAIN ENGINES 2x MAN D2862LE 431/Heavy Duty
TOTAL POWER 1102 kW (1478 bhp) at 1800 rpm
PROPELLERS Reijnies WAF 464L, 5.042:1
2x Ø 1500 FP in Optima nozzles
CONTROL/STEERING Electrical / Hydraulic

DAMEN STAN TANKER® 5412 “ENERGIA 1”

AUXILIARY EQUIPMENT
GENERAL SERVICE PUMPS 2x Allweiler, 48 m³/hr, electrically driven
Bilge/Ballast Pumps 2x Sterling, 48 m³/hr, electrically driven
MAIN GENERATOR SETS 2x Perkins Sabre 4.4TW2GM, 440 V, 122 kVA, 60 Hz
MAIN FUEL CARGO PUMP Allweiler, 200 m³/hr, electrically driven
ALX. FUEL CARGO PUMP Allweiler, 48 m³/hr, electrically driven
FUEL OIL STRIPPING PUMP Allweiler, 5 m³/hr, electrically driven
MAIN HFO CARGO PUMP Allweiler, 100 m³/hr, electrically driven
HFO STRIPPING PUMP Allweiler, 5 m³/hr, electrically driven
DISCHARGE METERS/PRINTER 2 main engine driven pumps for deck winch and capstan, electrically driven for deck crane / back-up.
HAullyR Hydraulic SYSTEM

DECK LAY-OUT ANCHORS 2x 1192 kg Pool (High Holding Power)
ANCHOR WINCH DMT, Hydraulic driven, with mooring drum
DECK CRANE Heila HLM 25-5S, 1.05 ton at 14.66 m
CAPSTAN AFT DMT, Hydraulic driven, 3 ton at 15 m/min

ACCOMMODATION
Air-conditioned accommodation for 5 persons with galley and large mess room. One office and 3 cabins.
Large deck store for oil recovery equipment.

NAUTICAL AND COMMUNICATION EQUIPMENT
RADAR SYSTEM Furuno FAR-2117
MAGNETIC COMPASS Casens & Plath, type Kotter
DOP NAVIGATOR Furuno GP-150, with RD-33 repeater
SATELLITE COMPASS Furuno SC-50 with RD-33 repeater
AUTOPILOT Robertson AP-70
ECHOSOUNDER Furuno FE-700
VHF/DSC 2x Thrane & Thrane Sailor 6222, with DSC
SSB Furuno FS-1575, 150 Watt, with DSC
AIS 2x Furuno Falcom 15
NAVTEX Furuno NX-700A
AFS Furuno FA-150
ANEMOMETER Observer OMC 115