GENERAL
YARD NUMBER
547204
OWNER
Abu Dhabi National Oil Company
DATE OF DELIVERY
May 2011
HULL MATERIAL
Steel
SUPERSTRUCTURE
Aluminium

BASIC FUNCTIONS
Safety Standby Vessel

CLASSIFICATION
Bureau Veritas

I # Hull ‘MACH’, DYNAPOS AM.
Special Service/ Fast Crew Supplier, Unrestricted Service

Fire fighting ship 1, waterspray

DIMENSIONS
LENGTH O.A.
51.25 m
BEAM O.A.
10.10 m
DEPTH AT SIDES
4.70 m
DRAUGHT MAX
3.45 m

CAPACITIES
FUEL OIL
169.00 m³
FRESH WATER
161.00 m³
DIRTY OIL & BILGE WATER
2 x 1.50 m³
SEWAGE
3.00 m³
FOAM
9.70 m³
DISPERSANT
2 x 1.50 m³
CARGO DECK AREA/ LOAD
200 m² / 2.5 t/m²
CREW
15 persons

PERFORMANCES
SPEED (TRIAL)
21.4 knots @ 80 ton Dwt
MAX. BOLLARD PULL
27 tons

PROPUSSION SYSTEM
MAIN ENGINES
4 x Caterpillar 3512C TA WOSR
TOTAL POWER
4472 kW (6000 bhp) at 1600-1800
GEARBOXES
4 x Reintjes ZWVS 730/1L
PROPUSSION
4 x Fixed pitch propellers
2 x 88 kW, electrically driven

ELECTRICAL EQUIPMENT
NETWORK
240V / 415V, 60 Hz
GENERATOR SETS/ CAPACITY
3 x Caterpillar C4.4, 99 ekW 123 KVA

DECK LAY-OUT
ANCHOR EQUIPMENT
MARINE DECK CRANE
1 x 184 kg H.H.P.
HLM 25-3S, swl 2 ton @ 10.55 meters

FIRE FIGHTING EQUIPMENT
FIR MONITORS
2 x 1200 m³/hr Alco APF 7 -AC
SPRAY BOOMS
2 x dispersant booms
FIRE FIGHTING INTERNAL
Novec 1230

LIFE SAVING EQUIPMENT
LIFE BUOYS
6
LIFE JACKETS
53
LIFE RAFTS
2 x 25 persons
FAST RESCUE BOAT
FAST RSQ 700, speed 30+ knots in A-frame davit.

AUXILIARY EQUIPMENT
ENGINE ROOM VENTILATION
72,000 m³ / hr
BILGE PUMPS
25 m³ / hr @ 3.8 bar
BILGE WATER SEPERATOR
Facet, CPS-2.5 mk ll + EBM 14X
DYNAPOS AM
Hamann, Mini Norway

SEWAGE TREATMENT PLANT
70 m³ / hr @ 60m head
CARGO PUMPS (F.W. & FUEL)

ACCOMODATION
BELOW MAIN DECK
Crew cabins, pantry and mess room
CREW CABINS, RADIO ROOM AND SICKBAY
AIR CONDITIONING
In wheelhouse and sickbay

NAUTICAL, SURVEILLANCE AND COMMUNICATION EQUIPMENT
SEARCHLIGHTS
2 x 1000W MP Pesch
RADARS
2 x JRC, JMA 5206-4th HS
DGPS
NWZ-4570
ECHO SOUNDER
Alphatron, Alphasounder
RADAR
Thrane, RT5022 & Thrane 5000
JRC-20
VHF'S AND MF / HF
JRC, NCR-333 & JRC, JHS-182
GPS COMPASS
McMurdo E5/ McMurdo S4
NAVTEX & AIS
Alphapilot MFC
AUTOPILOT
Alphamicrowave
ECDIS
Alphatron / Navis, (Dynapos AM)
Transas Navi-Sailor 4000
DAMEN FAST CREW SUPPLIER® 5009
"ESNAAD 711"