



MERO

GENERAL

TYPE	Damen ASD Tug 2810
BUILT	Damen Shipyards September 2008
CLASSIFICATION	Lloyd's Register 100A1 Tug (A) LMC UMS GMDSS A3
IMO NUMBER	9496290
FLAG	Kingdom of The Netherlands / Curacao
CALL SIGN	PJGY
GROSS TONNAGE	294
DEADWEIGHT	133 ton

DIMENSIONS

LENGTH O.A.	28.67 m
BEAM O.A.	10.43 m
DEPTH AT SIDES	4.60 m
DRAUGHT AFT	4.87 m
DISPLACEMENT	560 ton

TANK CAPACITIES

FUEL OIL	100.1 m ³
FRESH WATER	14.9 m ³
FOAM	8.0 m ³
LUBRICATING OIL	8.9 m ³
DIRTY OIL	3.1 m ³
SEWAGE	2.2 m ³
SLUDGE	3.1 m ³
BILGEWATER	5.3 m ³
DISPERSANT	4.7 m ³

PERFORMANCE

BOLLARD PULL AHEAD	57.3 ton
BOLLARD PUL ASTERN	56.0 ton
SPEED AHEAD	13.6 knots

PROPULSION SYSTEM

MAIN ENGINES	2 x Caterpillar 3516B TA HD / C
TOTAL POWER	3548 bkW (4758 bhp) at 1600 rpm
AZIMUTH THRUSTERS	2 x Rolls Royce US 205 MK 2
PROPELLER DIAMETER	2400 mm

ACCOMMODATION

For 8 persons, insulated and finished with durable modern linings, acoustical Dampa ceiling in the wheelhouse, floating floors and air conditioned. With 5 cabins, galley, mess/dayroom, switchboard room, dry store and sanitary facilities.

AUXILLIARY EQUIPMENT

GENERATOR SETS	2 x Caterpillar C4.4 TA, 230/400 V, 107 kVA, 50 Hz
BILGE PUMPS	2 x Sterling AKHA 5101 each 20 m ³ /hr
FUEL PUMPS	Sterling AKHA 4101 and AOHA 3101
COOLING SYSTEM	Box cooling + anti growth system
PRESSURE SET	Fresh water Sterling AOHA 1202
HYDRAULIC SYSTEM	Double main engine driven pumps
FIFI SET	Caterpillar 3406C T 600 m ³ /hr
FIFI MONITOR	1 x 600 m ³ /hr, water / foam

DECK LAY OUT

ANCHORS	2 x 360 kg Pool (high holding power)
ANCHOR/TOWING EQUIPMENT	DMT Hydraulically driven winch, pull 30 ton at 11 m/min slack rope speed up to 33 m/min, 150 ton break.
CAPSTAN	DMT, 5 ton at 15m/min. Electrically driven
TOWING HOOK AFT	Mampaey 65 ton
FENDERING	D-fender at sides, cylinder and W-block bow fender with water spray

NAUTICAL AND COMMUNICATION EQUIPMENT

SEARCH LIGHT	2 x Pesh 1000 W
RADAR SYSTEM	Furuno FR-1505 mk III
COMPASS / AUTO PILOT	Magnetic Kotter / Simrad AP-50
SATELITE COMPASS	Furuno SC-50
GPS	Furuno GP-150
ECHO SOUNDER	Furuno FE-700
VHF RADIO TELEPHONE	2 x Sailor RT5022 with DSC
NAVTEX	Furuno NX-700
AIS	Furuno FA-150
SSB	Furuno FS-1570
INMARSAT C	2 x Furuno Felcom 15
INMARSAT MINI M	Sailor TT-3064A
WEATHER FAX	Furuno FAX408

