GENERAL
YARD NUMBER: 509815
MATERIAL: Steel
EXPECTED DELIVERY DATE: October 2006
BASIC FUNCTIONS: Towing and pushing operations
CLASSIFICATION: Lloyd’s Register
* 100 A1 Tug (LMC)
FLAG: Trinidad & Tobago
OWNER: National Energy Corporation

BUILDING YARD
NAME: Damex
COUNTRY: Santiago de Cuba, Cuba

DIMENSIONS
LENGTH O.A.: 26.16 m
BEAM O.A.: 7.94 m
DEPTH AT SIDE AT ½ LENGTH: 4.05 m

TANK CAPACITIES
FUEL OIL: 80.3 m³
FOAM: 5.9 m³
FRESH WATER: 12.2 m³
SEWAGE: 1.8 m³
DISPERSANT: 1.0 m³
SLUDGE: 1.0 m³
BILGE WATER: 2.3 m³
LUBRICATION OIL: 1.9 m³
DIRTY OIL: 1.9 m³
WATER BALLAST: 19.3 m³

PERFORMANCES
SPEED: 13.0 knots
BOLLARD PULL: 50.0 ton

PROPULSION SYSTEM
MAIN ENGINES: 2x Caterpillar 3512 B TA HD+/B
TOTAL POWER: 2850 kW (3822 bhp) at 1600 rpm
GEARBOXES: 2x Reintjes WAF 773L
PROPELLERS: 2x fixed pitch propellers

DIAMETER: 2x 2350 mm
DRAUGHT AFT: 3.90 m

DECK AND SAFETY EQUIPMENT
ANCHORS: 2x 270 kg
CHAIN: 1x 110 m & 1 137.5 m
CHAIN DIAMETER: 17.5 m (stud –link)
ANCHOR WINCH: 1x DMT, 20 ton at 12 m/min
TOWING WINCH: 1x Kraaijeveld, 20 ton at 10 m/min on 1st wire layer
EXTINGUISHERS: 4x CO₂ & 4x dry powder
LIFE BUOYS / JACKETS: 4 life buoys and 8 life jackets
LIFE RAFTS: 2x RFD for 8 persons
EPIRB: Jotron 40-S
SART: Jotron Tron Sart

AUXILIARY SYSTEM
HYDRAULIC SYSTEM: Doedijns B.V.
EXTERNAL PUMPS: 1x Caterpillar 3406C TA 1000 m³/hr
GENERATOR ENGINE: 2x Caterpillar 3054 T
GENERATOR MAKE: 2x Leroy Somer LSAM
CAPACITY: ± 90 kVA, 440 V, 60 Hz

NAUTICAL AND COMMUNICATION EQUIPMENT
SEARCH LIGHT: 1 x 1000 W, make Pesch
RADAR SYSTEM: 1x Furuno FR 7062
MAGNETIC COMPASS: 1x type Kotter
AUTOPILOT: 1x Simrad AP 50
GPS NAVIGATOR: 1x Furuno, GP 90
ECHO SOUNDER: 1x Furuno, LS 6100
VHF RADIO TELEPHONE: 1x SP Radio, RT 4822 = 1 x SP Radio RT 2048
SSB RADIO TELEPHONE: 1x Furuno, FS-1570
NAVTEX: 1x Furuno, NX-700
INMARSAT SYSTEM: 1x Furuno, Felcom 15

ACCOMMODATION
Accommodation for 8 persons. On main deck are situated mess, galley and two cabins, one for captain, one for chief engineer. Below main deck are situated three double crew cabins and store.