

"EXPLORER"

MIRRLEES BLACKSTONE DIESEL – ELECTRIC PROPULSION PLANT



2 x MIRRLEES BLACKSTONE STB engine, 85 ME SL6 MK2 93845, type ESL MK2, 750 rpm, cont. 673 kW, 1 hour every 12 hours 740 kW, running hours 10150

Port engine 85 MESL MK2 93844, 5844 hours, each with BRUSCH AC generator.

Port 812,5 kVA, 415 V, 50 Hz, type BJSH W9 60/8, 750 rpm, no. 35211A-1G, 1130 Amp, ex Volt 75,7, ex Amp 70, phase 3/50, 45 dgr. C, rotor insul. E, stator insul. F, 0,8 PF, year 1986, Star coupled

Brushles Exiter, 5,3 kW, XCL 63.8/24, 750 rpm, 35211 A-IE, red. 75,7 V, DC Amp 70, EX CV 57,7, EX C Amp 5,5, AM insul. F, field insul. F, year 1986, STB 35211 A - 2 G, 35211 A - 2 E

Propulsion

LAURENT SCOTT ELECTRO MOTOR

DC motor, no. J 199B01/1, year 1986, Lloyds PT6 chap. 2, kW 800/800, rev. min. 800/800, 520 Volt, 1637 Amp, winding sceme exitation 165 V - 29 Amp, frame ref. 630, rating max. cont., insul. class F, NRF heat exchanger (for cooling e. motor) drain no. 1GC69-1, se.no. 85-0940-1, 6 bar, year 12/1985, running hours 11641

The following items are all HILL GRAHAM CONTROL:

Bridge control se.no. 6166, MFD 2/86 IP22

Engine room controls se.no. 6166, MFD 2/86 IP 22

Main switchboard each gen set 415 V, 1130 Amp, 812,5 kVA, 50 dgr.C

Thyristor bridge: in AC 415 V, 1306 Amp, 45 dgr.C - out 550 V DC, 1600 Amp, 6 SCR

Heat exchanger plate for the whole plant

Raw water pump

+ 2 freshwater pumps