

# M/V Geowave Endeavour



## **TECHNICAL SPECIFICATIONS**

Reviewed April. 2009

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## VESSEL SPECIFICATIONS

### A. VESSEL DETAILS

VESSEL NAME	M/V GEOWAVE ENDEAVOUR
OWNER	VOLSTAD MARITIME DIS II AS
FLAG	PANAMA
PORT OF REGISTRY	PANAMA
BUILT / REBUILT	2008
CLASS	DNV 1A1, SF, COMF-V(3)C(3), H HELD-SH, RP, E0, CLEAN
CLASS ID N°	27762
IMO OFFICIAL NUMBER	9399521
CALL SIGN	3EJQ7
LENGTH	106.6M
BEAM	26.6M
MAX DRAFT	9.6M
GROSS TONNAGE	11570 TONS
NET TONNAGE	3472 TONS
MAXIMUM LOAD SPEED	16 KNOTS (MAX SPEED)
CRUISING SPEED	16 KNOTS (MAX SPEED)
FUEL CAPACITY	2700CBM IFO
FUEL CONSUMPTION	45CBM PR DAY
LUBRICATING OIL CAPACITY	34M3
ENDURANCE	UNLIMITED, 65 DAYS UNTIL OFFSHORE BUNKERING
RANGE AT CRUISING SPEED	25000NM
SUPPORT VESSEL	MARE VERDE
FRESH WATER	657CBM
FRESH WATER PRODUCTION	40M3
SEWAGE	BIOLOGICAL TREATMENT PLANT
CABLE OIL CAPACITY	3 CUM
ROLL REDUCTION TANKS	3 X PASSIVE ANTIROLL TANKS
WATER BALLAST	2100M3
PROVISION ROOMS	
ENGINES	2 x Wärtsilä 6L32 (3862 BHP)
TOTAL PROPULSION	DIESEL ELECTRIC
PROPELLERS	
AZIMUTH THRUSTER	Wärtsilä LIPS CS1510-250/1510MNR Retractable Azimuth Thruster (2200KW)
BOW THRUSTERS	Wärtsilä LIPS CT275 (2000KW)
STERN THRUSTERS	2 x WÄRTSILÄ LIPS CS2510/2500 WN AZIMUTH. 3.4 MW
GENERATORS	4 x Wärtsilä 9L20 (2119 BHP)
AUXILIARY GENERATOR	-
EMERGENCY GENERATOR	mitsubishi S6B-M(P)TA (369BHP)



<b>ELECTRICAL DISTRIBUTION</b>	
<b>U.P.S.</b>	
<b>BOLLARD PULL</b>	<b>108T,</b>
<b>SEISMIC COMPRESSORS</b>	<b>NEUMANN ESSER</b>
<b>SAFE MANNING CERTIFICATE (MINIMUM)</b>	<b>14</b>

## **B. COMMUNICATION**

<b>COMMUNICATION SYSTEMS</b>	
<b>VHF PORTABLE</b>	2 x Sailor RT5022 VHF DSC 4 x Jotron Tron TR20 HH VHF 1 x Icom IC-M87 MOB VHF 2 x Icom Helicopter VHF Instrument Room: Sailor RT2048
<b>MF/HF RADIO</b>	<b>SAILOR CU5100 MF/HF SSB</b>
<b>INMARSAT A RECEIVERS &amp; NUMBER</b>	-
<b>INMARSAT B RECEIVERS &amp; NUMBER</b>	<b>SAILOR FLEET 77 INMARSAT B, +870 764 854 162/3/4/5</b>
<b>INMARSAT C</b>	<b>SAILOR INMARSAT C, MMSI 372620000</b>
<b>INMARSAT M</b>	-
<b>VSAT RECEIVERS &amp; NUMBER</b>	SeaLink VSAT 256Kb/s, <b>+47 23675370</b>
<b>MARISAT RECEIVERS &amp; NUMBER</b>	-
<b>WEATHER FACSIMILE</b>	Sailor C printer H1252B & Capsat
<b>NAVTEX RECEIVER</b>	<b>NT-2000</b>
<b>SAFETY</b>	??
<b>DATA TRANSFER</b>	<b>256KB/s</b>
<b>EMERGENCY RADIO BEACON (EPIRB)</b>	<b>JOTRON, TRON SX45 (ON BRIDGE)</b>
<b>SHIP/AIR CRAFT RADIO</b>	<b>JOTRON, TRON TR20</b>
<b>RADAR TRANSPONDER</b>	<b>JOTRON 9GHZ</b>

## C. NAVIGATION

NAVIGATION SYSTEMS	
<b>RADARS</b>	SAM Chartradar 1100ARPA 3cm SAM ChartRadar 1100ARPA 10cm <b>SAM CHARTRADAR 1100ARPA 10CM</b>
<b>GYRO COMPASS</b>	<b>2 X RAYTHEON ANSCHÜTZ STD 22</b>
<b>AUTOPILOT</b>	Anschütz PilotStar D
<b>SPEED LOG</b>	<b>SAM SPEEDLOG</b>
<b>ECHO SOUNDER</b>	SAM Debeg 4630 50&200KHz Simrad EA600 12,38 & 200KHz
<b>ECDIS</b>	<b>SAM SHARTPILOT 1100</b>
<b>ROBTRACK</b>	Kongsberg C-Joy (seismic track) SAM TrackPilot
<b>TRACKING SYSTEM</b>	SEATRACK 330/220
<b>GPS</b>	VERIPOS ULTRA AND C-NAV
<b>MAGNETIC COMPASS</b>	<b>CASSENS PLATH GMBH, TYPE 11 REFLEKTER KOMPASS</b>
<b>WIND INDICATOR</b>	<b>SHORE CONNECTION, SECREC HMS / CAP 437</b>
<b>AIS</b>	<b>SAAB DEBEG 4100</b>
<b>VOYAGE RECORDER</b>	<b>SAM DEBEG 4300</b>

## D. SAFETY

SAFETY EQUIPMENT	
MOBOAT	Springer MP-741
LIFEBOAT	<b>2 x EIDE MARINE/WOLONG 70 PERS</b>
EPIRB	<b>JOTRON, TRON 40S MK II (OUTSIDE ON TOP OF BRIDGE)</b>
LIFE RAFT	4 x Viking BM502M01 35 pers
SURVIVAL SUITS	74 x OSS Immersion Suit
LIVE VESTS	74 x Seamaster Lifejackets + 8 for children
WORK VESTS	<b>X CREWSAVER</b>
LIFE BUOYS	<b>2*LIGHT&amp;SMOKE 6*30M LINE 6*LIGHT</b>
FRC	<b>MP800</b>
SEISMIC WORK BOAT	<b>NORPOWER 25FT</b>

## **E. FIREFIGHTING EQUIPMENT**

<b>FIREFIGHTING EQUIPMENT</b>	
<b>ENGINE ROOM</b>	<b>ULTRAFOG</b>
<b>COMPRESSOR ROOM</b>	<b>ULTRAFOG</b>
<b>INSTRUMENT ROOM</b>	Handheld CO2 & water
<b>GUN SHACK</b>	<b>NIL</b>
<b>HAZCHEM STORAGE</b>	
<b>GALLEY</b>	<b>CO2</b>
<b>ACCOMMODATION</b>	<b>HANHELD CO2, WATER, FOAM, POWDER, FIRE HOSES FOR WATER</b>
<b>TAPE STORE</b>	
<b>STREAMER AREA AND CABLE REPAIR ROOM</b>	<b>ULTRAFOG</b>
<b>PAINT STORE</b>	<b>ULTRA FOG</b>
<b>INCINERATOR</b>	<b>ULTRA FOG</b>
<b>MAIN FOAM PUMP, AFFF FOAM MIXTURE</b>	Main :Dsc 5kg 112-Mpc2 3L/s. Helideck :Dsc5kg 100-L2 1,7L/s
<b>MAIN FIRE PUMP TYPE/FLOW</b>	2 main, Speck 100-250, 200m <sup>3</sup> /hr
<b>EMERGENCY FIRE PUMP TYPE/FLOW</b>	1 x em; Speck 40-200 A1, 49 m <sup>3</sup> /hr
<b>FIRE DETECTION MONITORING SYSTEM</b>	<b>ELTEK DELTA OP</b>
<b>FIRE BLANKETS</b>	<b>GALLEY &amp; FIRE STATION NR 2 MODEL K75</b>
<b>HELIDECK FIRE PUMPS</b>	<b>MAIN AND EMERGENCY</b>

## **F. ACCOMMODATION**

<b>ARRANGEMENT</b>	
<b>CABIN TYPES</b>	<b>50 SINGLE+10 DOUBLE</b>
<b>TOTAL</b>	<b>60 CABINS(70BUNKS)</b>
<b>BUSINESS CONFERENCE AND TRAINING RM</b>	<b>YES</b>
<b>SAUNA AND FITNESS ROOM</b>	<b>YES</b>

## **G. HELIDECK**

<b>EQUIPMENT &amp; CERTIFICATION</b>	
<b>HELICOPTER DECK RATING</b>	<b>D=20.88 AND T=12.8 (SINGLE ROTOR)</b>
<b>FIRE FIGHTING</b>	<b>UNITOR FIXED FOAM FIRE FIGHTING SYSTEM</b>
<b>NON DIRECTIONAL BEACON</b>	<b>NAUTEL, VECTOR-LP RADIO BEACON TRANSMITTER</b>
<b>SHIP/AIR COMMUNICATION</b>	<b>ICOM</b>
<b>MOTION WEATHER INFO</b>	<b>SHORE CONNECTION, SECREC HMS / CAP437</b>

## H. WORKBOAT

TYPE	
MANUFACTURE	NORPOWER 25FT
LENGTH	25FT
BEAM	2.87
DRAUGHT	1.65
WEIGHT	4200KG
ENGINES	CUMMINS 6BT5.9M
WATER JET	GEAR NOGVA AGF 1131
HULL	1557
HYDRAULIC	MB HYDRAULIC AS
BOLLARD PULL	2200KG
FUEL	DIESEL
SPEED	12KTS