



Eidesvik



# *Viking Avant*

## VIKING AVANT

Signal letters .....LMSZ  
 IMO No..... 9306914  
 Design.....VS 493 PSV  
 Built .....Aker Langsten AS  
 ..... Tomrefjord  
 Home port .....Haugesund  
 GSM Tel.....916 75 117  
 GSM Tel .....916 75 118  
 .....53 44 81 60  
 .....53 44 81 61  
 .....53 44 81 62  
 Inmarsat F .....  
 Inmarsat C Telex.....  
 Owned by..... Eidesvik MPSV AS  
 Operated by ..... Eidesvik AS  
 .....N-5443 Bømlø Norway  
 Telephone: ..... +47 53 44 80 00  
 Telefax : ..... +47 53 44 80 01

### CLASS NOTATION

DnV ✕ 1A1, Supply Vessel, SF, E0, Dynpos AUTR, LFL\*, Oil Rec, Clean, De Ice comp with De Ice C, Comfort Class rating 3, Register notations DK (+) and HL (p).

In Compliance with NAUT OSV guidelines

### RESCUE

NMd rescue..... 250 persons

### PRINCIPAL DIMENSIONS

Length o.a. .... 92,20 m  
 Length b.p.p. .... 84,80 m  
 Breadth mld..... 20,40 m  
 Depth to main deck ..... 9,00 m  
 Draught summer ..... appr 7,30 m  
 Free board at summer draft..... 1,70 m  
 Length, clear cargo dk..... 58,20 m  
 Breadth, clear cargo dk ..... 17,40 m  
 Cargo Deck Area..... appr 1010 m<sup>2</sup>  
 Cargo Rail height ..... 4,00 m  
 Gross tonnage.....appr 6250T  
 Dead weight (even keel) at draft 7,30 m appr 5700 MT  
 Deck streight .....generally 5 t / m<sup>2</sup>  
 Deck streight from frame 103 to 127 .....10 t / m<sup>2</sup>

### CAPACITIES

	M3	SP.GR.	MT
Fuel oil.....	1440	0,870.....	1251
Potable water .....	995	1,000.....	995
Drill water/ballast.....	2310	1,025.....	2367
Liquid mud .....	740	2,500.....	1850
Methanol .....	165	0,790.....	130
Dry bulk.....	410	2,300.....	943
Brine Max3 .....	810	2,500.....	2025
Base Oil max3 .....	260	0,870.....	2262
Special products.....	185	1,200.....	222
Deck load capacity...3600 t with VCG 1 m above deck			
Vessel speed (max).....			16 knot at 5.40 draft

Tank washing system with hot and cold water. Chemical injection in washing water for mud, brine and base oil tanks.

Flowmeter for Fuel Oil and Fresh Water Cargo

Note! Separate pumps- and piping system for all types of liquid cargo.

Fresh Water Cargo System

Dosage unit for disinfection installed and equipment for control of Fresh Water Cargo and drinking water arranged.

### DISCHARGE RATES

Type	M3/Hour	Bar	Type Drive/Pump
Fuel Oil.....	2 x 150	.....9	Centrifugal
Fresh Water.....	2 x 150	.....9	Centrifugal
Drill Water /Ballast	2 x 200	.....9	Centrifugal
Liquid Mud.....	4 x 120	.....22,5	Hydr. / Exc Screw
Brine.....	2 x 75	.....22,5	El / Centrifugal
Base Oil.....	2 x 75	.....9	El.driven / Centrifugal
Methanol .....	2 x 75	.....7	Hydr. / subm. Centrif.
Special procutcs .....	2 x 75	.....10	Hydr./subm./screw
Bulk Compr.....	2 x 29,5	.....m3/min	..... 6 bar

Loading and discharge stations on both sides aft and Forward (bow) for all types of liquid cargo and dry bulk

## MACHINERY AND PROPULSION

### Main engines:

Make ..... Caterpillar  
 Type/No..... 3516 B  
 Rating.....4 x 1901 kW  
 ..... (4 x 2585 BHP)

### Propellers:

Make ..... ABB  
 Type..... 2 x Azipod CA PULL 5  
 Diam.....3300 mm  
 RPM..... Variable 0 – 238 RPM

**Emergency Gen. set**..... Caterpillar  
 Type/rating ..... C9, 269 Kw

**Generators:**Make/Type ..... StamfordHMC 434 C2  
 Cap. .... 1 x 313 KVA, 440V 60 Hz

### Main Generators:

Make/Type ..... ABB/ AMG 500 M 4  
 Cap. .... 4 x 2280 KVA / 4 x 690V, 60 Hz

## SIDE THRUSTERS

Bowthruster ..... Brunvoll FU – 80 LTC 2000  
 ..... 1000 kW / 1360 HP  
 Bowthruster ..... Brunvoll FU – 80 LTC 2000  
 ..... 1000 kW / 1360 HP  
 Azimuth thruster ..... Brunvoll AR – 63 LNC - 1650  
 ..... 880 kW / 1200 HP

## NOX EMISSIONS:

Catalyation system (SCR) installed.

**NOX reduced by 90 %.**

## DECK EQUIPMENT

Tugger winches..... 2 x Hydrakraft 15 tons  
 Capstan(s)..... 2 x Hydrakraft 10 tons  
 Cranes ..... 1 x TTS GPK 260-10-10, 10 t at 10 m  
 ..... 1 x TTS GPK 80-3-12, 3 t at 12 m  
 Additional deck cargo fastening.....18 pcs fastening  
 positions in the deck, independent changeable  
 between pins,rollers or eyes.  
 Cargo Securing System ..... 6 x 5 tons winches

## NAVIGATION

Magnetic Compass ..... 1 x Fluxgate 26026  
 Gyro Compass.....3 x C Plath Navigat X MK 1  
 Auto Pilot.....Kongsberg Simrad incl in DP system  
 Radar ARPA 3 cm..... 1 x Furuno FAR 2827  
 Radar ARPA 10cm. .... 1 x Furuno FAR 2837 S  
 AIS.....1 x Kongsberg Seatex AI 71  
 Ecdis.....1 x. Kongsberg Maritime SM 10

Voyage Data Rec.....1 x Kongsberg Maritme Black Box  
 Echo sounder ..... 1 x Furuno FE 700  
 Doppler log.....1 x Furuno Doppler DS-70  
 VHF Direction Finder.....1 x Skipper TDL 1550  
 Wind sensor.....2 x Gill Ultrasonic  
 DGPS .....2 x Seatex 200  
 DGPS.....1 x Leica MX 400  
 Navtex ..... 1 x JRC NRR-330

## COMMUNICATION

Radio Plants GMDSS..... 1 x Sailor 250 W  
 VHF Stationary .....2 x Sailor RT 4822  
 VHF Stationary DSC .....2 x Sailor RT 4822  
 VHF portable GMDSS .....3 x Sailor SP 3110  
 VHF portable ..... 3 x Norcontrol SP 3110  
 UHF Stationary.....6 x Motorola MSC 2000  
 UHF portable EEX..... 4 x Motorola MTS 2000  
 Inmarst F GMDSS ..... 1 x Nera Fleet 77  
 Inmarsat C..... 1 x Sailor H 2095 C  
 EPIRB ..... 1 x Jotron TRON 40 S  
 Radartransponder ..... 2 x Jotron TRONSart  
 Helicopter Radio Becon..... 1 x Skanti TS 1B  
 Helicopter Communication ..... 1 x ICOM IC – A110  
 Portable Helicopter Comm.....1 x ICOM IC-A3E  
 KU Band.....1 x Norsat Sealink

## MANOEUVRING, POSITIONING AND VESSEL MANAGEMENT SYSTEM

Compete integrated manoeuvring, dynamic positioning and vessel management system consisting of:  
 Dynamic Positioning..... Kongsberg Simrad SDP 22  
 with 2 off identical manouvering stations  
 Reference System ..... 1 x Fan Beam  
 ..... 2 x DGPS  
 .....1 x RADIUS 1000  
 Manoeuvring system .....Kongsberg Simrad STC  
 Manual Joystick..... Kongsberg Simrad SDP - OT  
 Vessel Management system  
 Cargo Handling and Alarm System .....Høglund Marine

## ACCOMODATION

Day room/mess	
No smokers .....	1 off
Smokers .....	1 off
Laundry .....	1 off
Gymnasium .....	1 off
Cabins state .....	2 off
1. man .....	16 off
2. man .....	2 off
All cabins with toilet and shower.	
Office; Ships off.....	1 off
Hospital. ....	1 off

## LIFESAVING AND RESCUE EQUIPMENT

<b>MOB-boat</b> .....	1 x Norsafe Mako
Dimensions .....	Loa 6,75 x Boa 2,70 x H 2,05
Capacity .....	10/15 (Norwegian/UK sector)
Engine .....	Steyr 212 HP
Speed.....	26 knots with 3 person

## FAST RESCUE DAUGHT CRAFT

FRDC.....	Norsafe Munin 1000
With .....	1 x VHF, 1 x UHF and 1 x cellphone
Dimensions.....	Loa 10,6 m X Boa 3,5 m X H 3,4 m
Capacity.....	14 off persons and 3 off crew
Engine.....	2 off Steyr 260 Hp (each)
Speed.....	30 knots with 3 person and 100 % fuel
Recovery.....	Hydrakraft WBRS

## RESCUE EQUIPMENT

Rescue basket, Bennex BRB 2500 MK IV .....	1 off
Dacon scoop .....	1 off
operated by telescopic boom 6,5 – 11 m SWL 1500 kg	
Radio bearing reciever .....	1 off
Radio bearing transp. for MOB / FRDC crew....	6 off

## EMERGENCY TOWING ARR

Emergency towing winch .....	1 off
Wire capacity.....	1 off 1500 m, Ø 54 mm
Bollard pull .....	appr 65 t
Brake force.....	188 t
Mechanical spooling device	
Length measuring	
Calculated tension measuring (dur hydr operation)	

## DECK DE-ICE C

Cargo Deck covered by....1 x Rubb 19.1 m Costum  
 Building folding canvas system  
 operated by..... 2 x Hydraltt Traction winches  
 Max covered area .....17.4 m x 51.2 m appr 890 m2

## DISTANCE MEASURING

Camera with search light and laser mesuring equipment  
 installed in bow

## SEARCH LIGHT

Search Lights containg UV beams ..... 2 off

## FIRE FIGHTING

Firefighting in Engine Room, Incinerator Room and Paint  
 Store by Water Mist System

## RECEPTABLES FOR FREEZ / COOL CONTAINERS

10 off 3 ph and 10 off 1 ph P and S side... total 40 off

## OIL RECOVERY

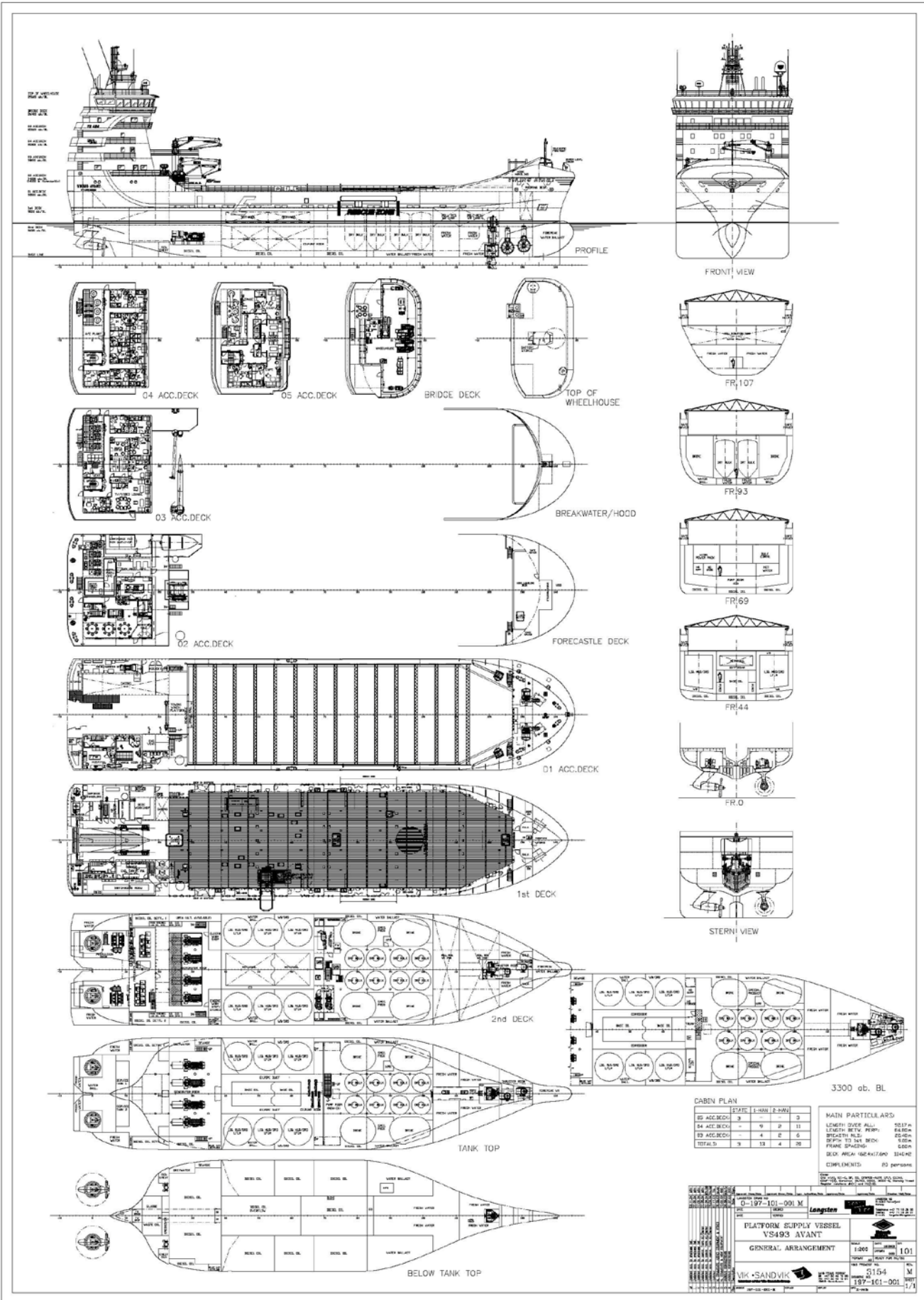
NOFO 2000 with amendments  
 Prepared to receive Down Link equipment

## INCINERATOR

Incinerator.....1 x Teamtec OGS 200 C

## LIFERAFTS

**Liferafts** .....4 x 20 Man  
 Make .....Viking



DECK	STATE	1-HW	2-HW
02 ACC.DECK	3	-	3
04 ACC.DECK	-	10	11
03 ACC.DECK	-	4	6
TOTAL S	3	13	4

MAIN PARTICULARS	
LENGTH OVER ALL	203.7 m
LENGTH BETW. PERP.	84.80 m
BREADTH MAX.	25.00 m
BREADTH TQ 1/4	15.00 m
PEAK SPACING	5.00 m
DECK AREA	16244.76 m <sup>2</sup>
DISPLACEMENT	32 persons

GENERAL ARRANGEMENT	
TYPE	Platform Supply Vessel
NAME	VS493 AVANT
YEAR BUILT	1997
TONNAGE	1900
CLASSIFICATION	101
DESIGN NO.	5154
PROJECT NO.	197-161-001