



Pipelay Vessel

PL-05



MAIN PARTICULARS

Built	2019	Accommodation	238 men
Classed by	CCS	Control room	1 x 40 ft + 1 x 20 ft
Flag	Liberia	Offices	3 x 20 ft
Length overall	172.5 m	Mess room	20 person
Beam	35 m	Restrooms/showers	1 x 20 ft
Depth moulded	12.5 m	HSE/first aid	2 x 20 ft
Min operating draft	7.8-8.0 m		
Gross ton/deadweight	28533 MT		
Clear deck area	982 m ²		
Deck load	T/m ²		
Fuel oil tanks	3817 m ³		
Fresh water tanks	1733 m ³		
Ballast water tanks	18292		

MACHINERIES

Pipelaying Equipment

Pipe tensioner	IHC SAS: 2 x 150 t@40m/min
AR winch	IHC SAS: 1 x 3000 t@40m/min
Automatic welding	SERIMAX: 5 x SATURNAX 05
Work station	5 welding stations, 2 NDT inspection/repair stations, coating stations
Stinger	Length: 79.2 m (two sections)

Main Machinery

Main Generator	MAN 4 x 2218 kW ABB 4 x 2320 kW / 690 V 50 Hz
Emergency Generator	350 kW 400 V 50 Hz

Deck Machinery

Offshore crane	ZPMC Main hook 500t@40m; 350t@55m; Aux hook 50t@70m, whip 15t
Pipe crane	Liebherr 2 x main hook 50 t@28m; 25.7t@40m; Aux hook 15t@45m
Mooring winch	ZPMC 12 x 900 kW; 110t@0-42 m/min, 21 t@0-186 m/min
Work anchor	12 x 10 T; dia 76 mm x 2500 m
Anchor winch	2 x 200KN; 15 m/min dia 72 mm
Anchors	6 x 3.5 T (+4 spares) + 2 x 5 T Delta Flipper anchors
Anchor Wire	8 x 1200 mm x 38 mm
Main Crane	200 T crawler
Boom length	45 m

EQUIPMENT & ELECTRONICS

Pipe-lay Capability

Pipe Diameter Tensioners	6" to 42"
Tensioner	1 x 30 ft SAS - 25 m/min
A&R Winch	1 x 30t - SAS - 25m/min
Stinger	15 m fix + 24m ballasting with integrated monitoring system
Work stations	6 (Typ. 3 x welding, 1 x NDT/repair, 2 x field joint coating)
Welding system	Manual, semi/fully auto
Davit	6 x 32 T

Auxiliary Equipment

Fresh water maker	2x40m3/d
Sewage treatment	2xWB-150-150P
Ballast water pump	1 x 150 m3/h
Deep freezer	2x7kW, 2x6.5kW

Navigation and Communication Equipment

Radar	JMA-9122-9XA
Magnetic compass	JMA-9132-SA MK200S
GPS	2xJLR-7800
NDB	VR-125D
MF/HF	JSS-2500
Gyro compass	Stardand 22
Echo sounder	2xJFE-680
NAVTEX	NCR-333
VDR	VR-125D
VHF/FM	4xIC-FS220D

Fire Fighting & Life Saving Equipment

Lifeboats	4 x 60 men
Life rafts	4 x 20 men + 8 x 25 men
Life jackets	255
Survival suits	255
Fire pump	2 x 130 m3/h
Helideck fire pump	2 x 130 m3/h