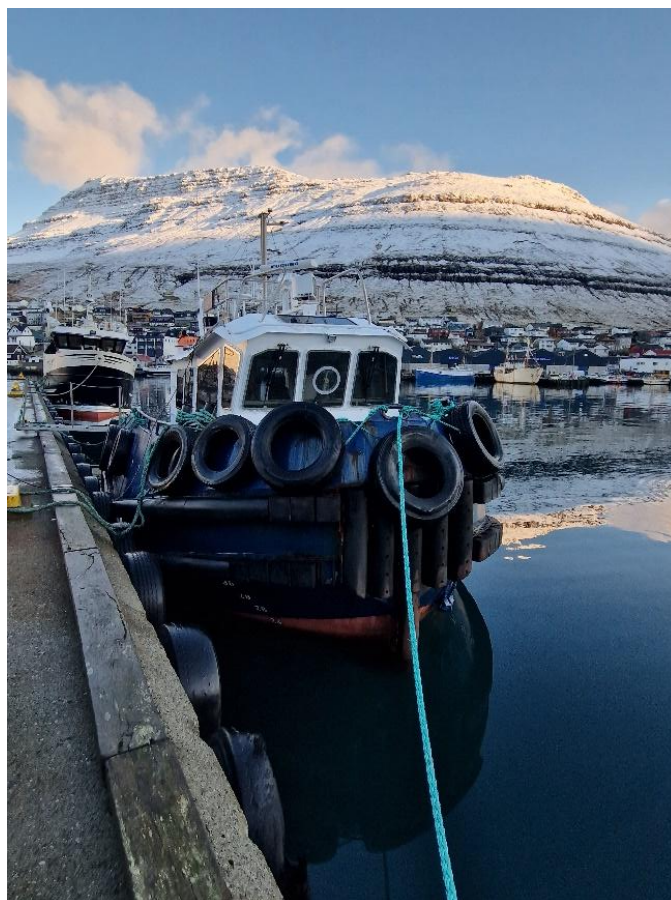


Twin screw certified tugboat in operational condition.

Type	Twin screw tugboat	
Built	12-2015, Türkiye	
Dimensions	14.80 / 11.12 x 5.80 m	
Draft	2.60 m	
Propulsion	Twin screw	
Main engines	Volvo Penta, type D16C-CMH	
Output	1498 hp total at 1800 rpm	
Speed	9.5 knots (economic)	
Bollard pull	16 tonnes	
Tonnage	GRT 18.8/ NRT 5.6	
Deck equipment	Towing hook	
Aux. engine	Onan	
Output	17 kW	
Generator	Cummins Onan, 24 kVA, 380 V, 50 Hz	
Tank capacities	Fuel oil	11.5 m ³
	Fresh water	0.8 m ³
	Sewage	0.82 m ³
	Ballast	5.50 m ³
	Bilge water	0.82 m ³
Accommodation	Two berths, galley, sanitary facility.	
Nav./comm. equipment	According to class regulations.	
Class	Bureau Veritas I •HULL •MACH Tug Coastal Area	









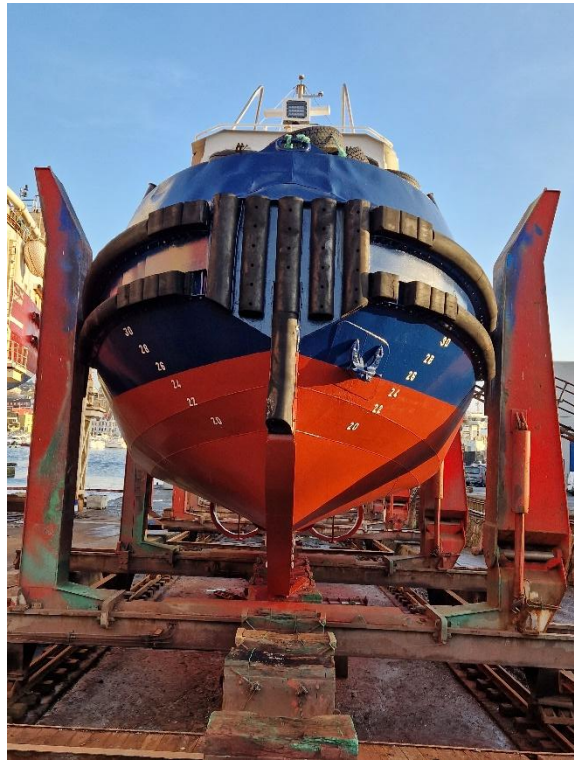


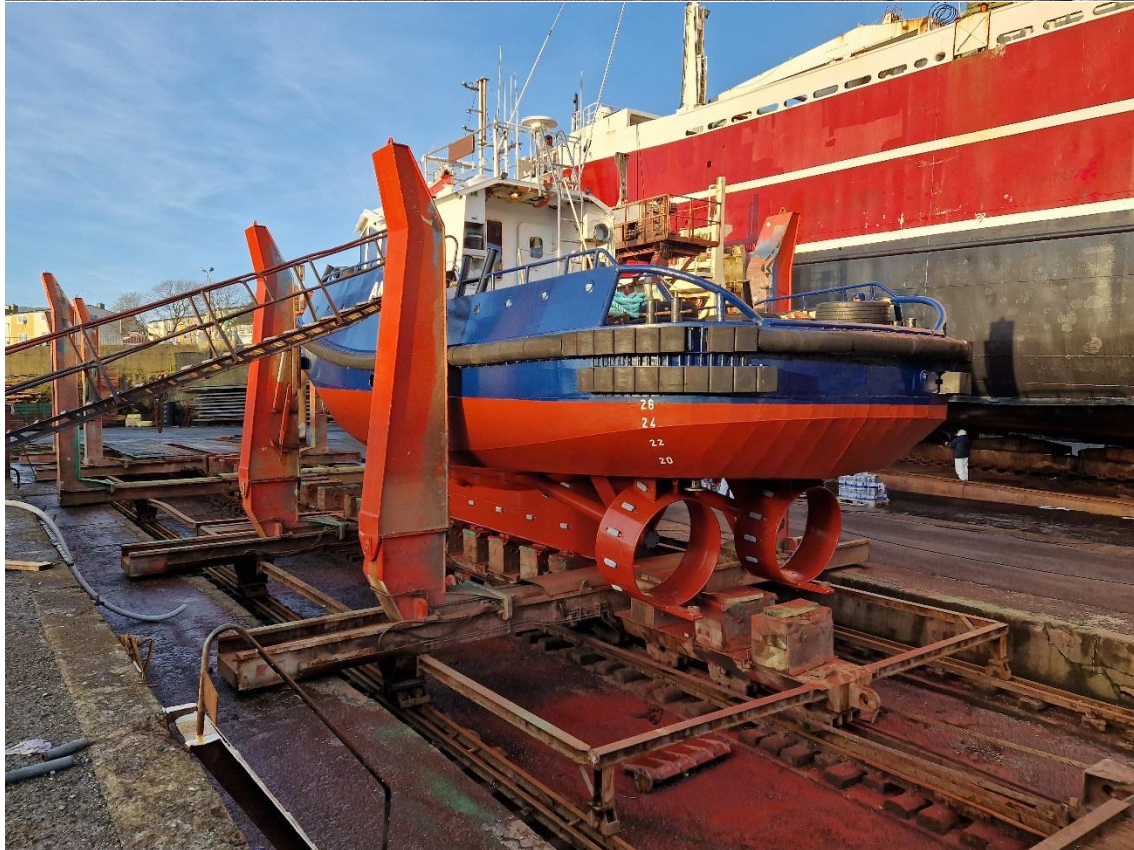




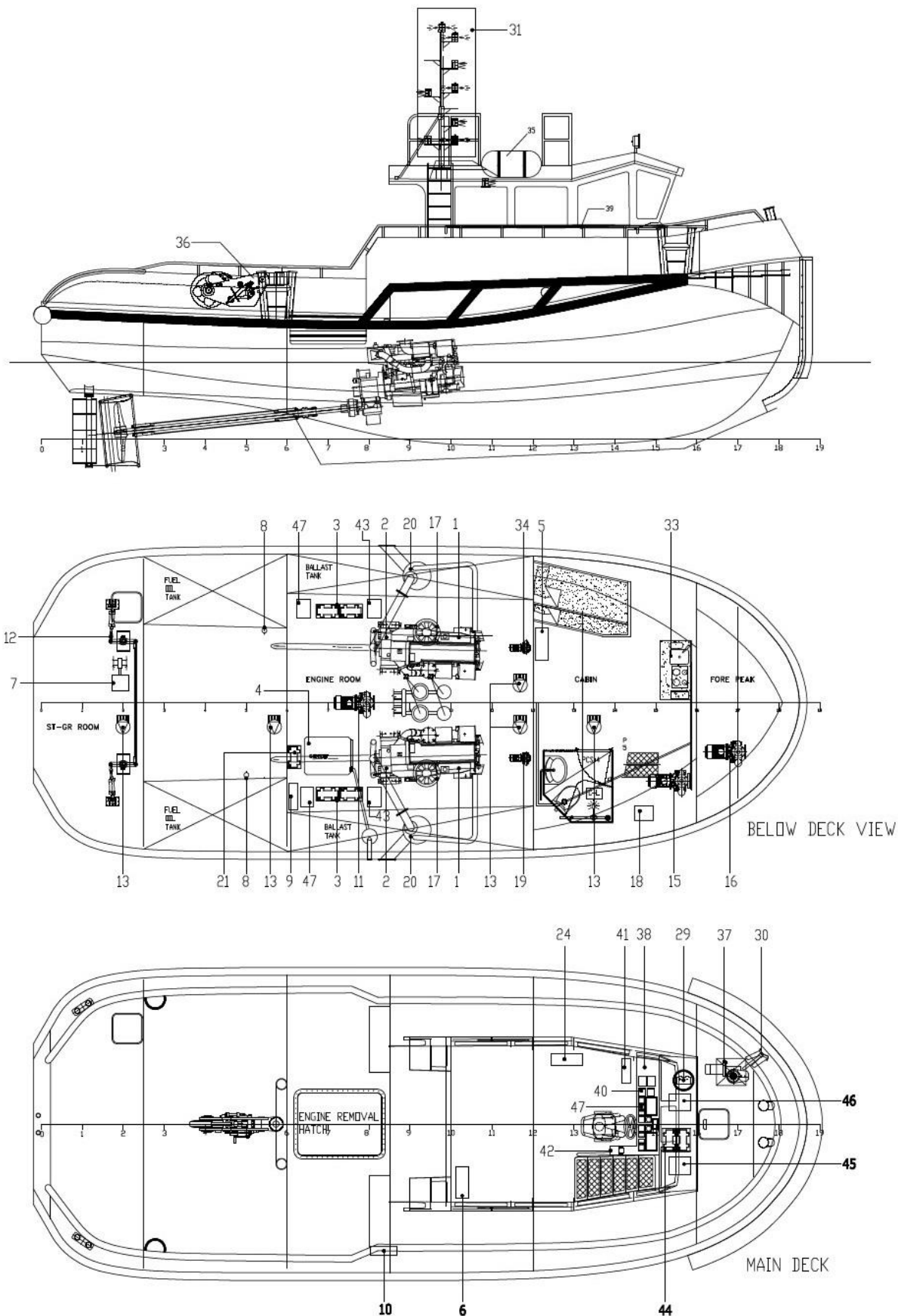












ITEM NO	ITEM	QTY	LOCATION	MODEL	TYPE	THECHNICAL FEATURES	ELECTRICAL FEATURES		SERIAL NUMBER
							VOLTAGE	POWER Kw.	
1	MAIN ENGINES	2	ENG. ROOM	V222 TIH		720 HP 1800 RPM			
2	GEAR BOX	2	ENG. ROOM	DMT 280 HL		720 HP 1800 RPM			
3	MAIN ENG.BATTERY	4	ENG. ROOM	MUTLU	GEL	12V 200 A.H	12V		
4	GEN-SET	1	ENG. ROOM	CUMMINS ONAN MDK8V 3P		1500 RPM	220/380	19	
5	HEATER	1	CABIN	YETSAN		30 Lt/h	24		
6	HEATER	1	WH	YETSAN		30 Lt/h	24		
7	STEERING HYDR.POWER UN.	1	ENG. ROOM	DATA-DDS 460-2		460 daN.m 55bar	24		
8	F.O TANK LEVEL INDICATER	2	ENG. ROOM	AYVAZ			24		
9	FIRE BOX	1	ENG. ROOM						
10	FIRE BOX	1	MAIN DECK						
11	FIRE & BILGE PUMP	1	ENG. ROOM	LEO		16m ³ /h	380		
12	STEERING GEAR	1	STEERING ROOM	DATA		460 daN.m 55bar			
13	SUBLERSTIBLE BILGE PUMP	5	ENG.&CABINIST-GR-GENSET ROOM	JABSCO		2m ³ /h	24		
14	BALLAST DISCHARGE PUMP	1	ENGINE ROOM	LEO		2m ³ /h	220		
15	FORE PEAK TANK DISCHARGE PUMP	1	CABIN	LEO		2m ³ /h	380		
16	FORE PEAK BILGE PUMP	1	FORE PEAK	LEO		2m ³ /h	220		
17	ENGINE ROOM SUPPLY FAN	2	ENG. ROOM			TOTAL 9000m ³ /h	220		
18	WATER HEATER	1	CABIN			60Lt	220		
19	SEWAGE PUMP	1	ENGINE ROOM						
20	WATER LOCK	2	ENG. ROOM						
21	GEN-SET BATTERY	1	ENG. ROOM	MUTLU	MARINE	12V 180 A.H			
22	SEA WATER FILTER	2	ENG. ROOM						

ITEM NO	ITEM	QTY	LOCATION	MODEL	TYPE	THECHNICAL FEATURES	ELECTRICAL FEATURES		SERIAL NUMBER
							VOLTAGE	POWER Kw.	
23	SEA CHEST	2	ENG. ROOM						
24	MAIN SWITCH BOARD	1	WHEELHOUSE						
29	EMERGENCY BATTERY	2	MAIN DECK	MUTLU	GEL	12V 200 A.H			
30	ANCHOR	1	MAIN DECK						
31	NAVIGATION LIGHT	11	MAST & WH.HOUSE						
33	GALLEY EQUIPMENT	1	LOWER DECK			oven,fridge,ceramic hob cooker			
34	GREY WATER PUMP	1	ENGINE ROOM						
35	LIFERAFT	1	WHEELHOUSE						
36	TOWING EQUIPMENT	1	MAIN DECK						
37	CHAIN LOCKER / CAPSTEN	1	MAIN DECK						
38	CONSOLE	1	WHEELHOUSE						
39	HANDRAIL	1	MAIN DECK						
40	NAVIGATION LIGHT PANEL	1	WHEELHOUSE						
41	24V DC DIST. PANEL	1	WHEELHOUSE						
41	24V DC EMG DIST. PANEL	1	WHEELHOUSE						
41	220V DIST. PANEL	1	WHEELHOUSE						
42	FIRE ALARM SYSTEM PANEL	1	WHEELHOUSE						
43	BATTERY CHANGE OVER BOX	2	ENGINE ROOM						
44	SERVICE BATTERY	2	WHEELHOUSE	MUTLU	GEL	12V 200 A.H			
45	SERVICE BATTERY RECTIFIER	1	WHEELHOUSE	ALPHA WORLD		220V ~ 24V / 40A			
46	EMG. BATTERY RECTIFIER	1	WHEELHOUSE	ALPHA WORLD		220V ~ 24V / 20A			
46	M/E BATTERY RECTIFIERS	2	ENGINE ROOM	ALPHA WORLD		220V ~ 24V / 20A			
47	EMG. FAN STOP	1	WHEELHOUSE						