

Multipurpose Vessel

mv «YAMAL IRBIS», ARC 5

Deadweight 7.049 т



Identification	
Shipyard and year of built	Malta Shipbuilding, 1998
Flag, port of registry	Russia, Arkhangelsk
Call sign	UBNM4
Vessels class	RMRS, KM*UL[1]AUT2 (ARC 5)
IMO №	8502092
Licenses	DOC for carrying dangerous goods all classes, except IMO 7.

Dimensions	
Length overall	131.60 m
Breadth	19.30 m
Depth to keel	8.80 m
Summer draft	7.00 m
Ballast draft	4.64 m
Light draught (for/aft)	0.64 / 5.07 m
Deadweight on summer draft	7 049 t
Gross tonnage	6 418
Net tonnage	2 840
Displacement, full load	11 249 t
Number of tons per 1 cm of draught	19.10 t

Vessel is fitted with container's lashing, load-handling appliances for transportation containers and general cargo such as large-diameter pipe, vehicles, machinery, equipment etc in Arctic seas all the year round. Ballast tanks are fitted with heating.

Key data				
Main engine, ADG				
Main engine	MAN B&W 7L45GBE			
Quantity of engines	1			
BHP/RPM engine	4690 kw/ 175			
Diesel generators	GD8-500-50/06 (Sulzer)			
Quantity of diesel generators	3 + 1 (emergency DG)			
Gross DG output	1500 kw			
Fixed-pitch propeller, sterntube arrangement WAUKESHA LIPS B.V.				
Tank's capacity				
Fresh water capacity	247.9 mt			
Bunker capacity	885 cbm			
Speed and consumption				
	Condition	Kn	Fuel oil	MGO
Sea	Ballast	13.0	13.5 mt	1.8 mt
	Loaded	12.0	13.2 mt	1.8 mt
Port	w/o cargo operations		1.5 mt	1.5 mt
	with cargo operations		1.5 mt	3.0 mt
Port SECA	w/o cargo operations			3.0 mt
	with cargo operations			3.5 mt
Winter, ballast heating				1.5 mt
Cranes «Häggglunds», handling radius 20 m				
4 cranes			12.5 mt	
2 cranes combinable			25 mt	
Containers capacity				
Total			268 TEU	
Holds			156 TEU	
Max permissible loading				
On hatches			№ 1 = 1,75 mt/m ² ; № 2-4 = 2,20 mt/m ²	
On deck			2,70 mt/m ²	
On tanktop			№ 1-4 = 8,50 mt/m ²	
Crew			18 persons	

Cargo Holds

Hold №	Length, m	Breadth, m	Depth, m	Capacity, m ³		Cargo hatches		Containers capacity 20"	
				Bale	Grain	Length, m	Breadth, m	Hold	Hatches
1	16,10	5.00/10.80	8,00	1426	1676	12,60	10,30	18	8
2	17,50	15,30	7,60	2018	2092	12,60	15,30	30	24
2-3	-	-	-	-	-	-	-	-	8
3	24,80	15,30	7,60	2993	3091	18,90	15,30	54	36
4	24,80	15,30	7,60	2916	3001	18,90	15,30	54	36
Total :				9356	9861			156	112

