

DENISE FOSS

VESSEL SHEET

Official # 1254223

ABS # 16250250

IMO # 9748576

Hull # 21



FOSS



VESSEL DESCRIPTION	
SERVICES	Arctic & Ocean Towing Emergency Tow
CLASS NOTATIONS	ABS Load Line ✠ A1 Towing Vessel Ice Class D0 ✠ AMS, ✠ ABCU
HAILING PORT	Seattle, WA
CALL SIGN	WD17810
KEEL LAID	July 30, 2013
DELIVERY	May 26, 2016
REBUILT	
BUILDER	Foss Shipyard, Rainier, OR

MACHINERY	
CONFIGURATION	Twin Screw Tug
MAIN ENGINE	(2) CAT C280-8 EPA Tier 2
REDUCTION GEAR	Reintjes WAF 3455
PROPELLER	(2) 126" Dia. 3 Bladed, 124" Fixed Pitch
DRIVES/NOZZLES	Nautican with pre-swirl stators
TOTAL RATED HP	7,268 BHP @ 1,000 RPM
BOLLARD PULL	110.5 ST (100 MT)
MAIN GENSET	(2) CAT C9 Genset, 215kW, 480V (265kVA)
AUX GENSET	(1) John Deere 4045AFM85 Emergency Genset, 99kW, 480V (105 kVA)
FIRE PUMP	(2) 10 HP Flowserve, 3" x 1.5"

DIMENSIONS	
REG. GT.	295
REG. NT.	201
ITC GT.	714
ITC NT.	214
DRAFT MIN	14'-4"
DRAFT MAX	18'
REG. LENGTH	123'
REG. BREADTH	41'
MOULDED DEPTH	20'
LENGTH OVERALL	132'
BEAM OVERALL	44'-4"
AIR DRAFT	60'
DISPLACEMENT	1,276 LT

REGULATORY		
ABS LL		Y
ABS CLASS		Y
USCG INSP		Y
REGISTRY		Y
COASTWISE		Y
SOLAS		Y

CREWING REQ.		
DOM. < 600 NM		6
INTL OR > 600 NM		8
MAX. BERTHS		11

TANK CAPACITIES	
FUEL CAPACITY	136,000 gal
FUEL TYPE	MGO
UREA	N/A
HYDRAULIC	
WASTE OIL	860 gal
BALLAST	
HOLDING TANKS	Sewage, Grey Water, Dirty
LUBE OIL	1,270 gal
POTABLE WATER	1,900 gal
NON-POTABLE	6,900 gal

DECK GEAR	
ANCHOR GEAR	
BOW WINCH	Markey WEWD-22
BOW LINE	300' of 5" Circ. HMPE Line
BOW LINE PULL & BRAKE CAPACITY	Full Drum: 10,100 LBF @ 57 FT/MIN & 200,000 LBF Brake Capacity
TOW WINCH	Markey TDSD-40UL Double Drum
TOW LINE	3,000' of 2-1/2" Wire Rope
TOW LINE PULL & BRAKE CAPACITY	1st Layer: 121,220 LBF @ 33 FT/MIN & 449,489 LBF Slip Disc Brake

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ALWAYS SAFE. ALWAYS READY.

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