

VESSEL SHEET

KĀPENA RAYMOND ALAPA'I

OFFICIAL# 1275651 ABS# 18270133
IMO# 9816866 HULL# C-1161



TANK CAPACITIES

FUEL CAPACITY	83,600 gal
FUEL TYPE	MGO
UREA	N/A
HYDRAULIC	
WASTE OIL	
BALLAST	
HOLDING TANKS	Sewage, Grey Water, Dirty
LUBE OIL	2,050 gal
POTABLE WATER	4,150 gal
NON-POTABLE	

DIMENSIONS

REG. GT.	391
REG. NT.	265
ITC. GT.	455
ITC. NT.	136
DRAFT MIN	10'
DRAFT MAX	13'-1 7/16"
REG. LENGTH	112.6'
REG. BREADTH	34'-5 3/8"
MOULDED DEPTH	15'-9"
LENGTH OVERALL	123'-2 2/8"
BEAM OVERALL	36'-6 1/4"
AIR DRAFT	
DISPLACEMENT	954 LT

VESSEL DESCRIPTION

SERVICES	Ocean Towing Barge Handling
CLASS NOTATIONS	ABS Load Line * A1 Towing Vessel Circle E, IHM, UWILD * AMS, * ABCU
HAILING PORT	Hilo, HI
CALL SIGN	WDK4948
KEEL LAID	November 28, 2016
DELIVERY	November 8, 2018
REBUILT	
BUILDER	Conrad Industries, Morgan City, LA

MACHINERY

CONFIGURATION	Twin Screw Tug
MAIN ENGINE	(2) GE 8L250MDC EPA Tier 4
REDUCTION GEAR	Reintjes WAF 3455
PROPELLER	(2) 126" Dia. 4 Fixed Blades
DRIVES/NOZZLES	Optima Nozzle
TOTAL RATED HP	6,034 BHP @ 900 RPM
BOLLARD PULL	89.95 (80.69 MT)
MAIN GENSET	(3) CAT C7.1 Genset, 118 kWe, 480V (140 kVA)
AUX GENSET	*Two gensets in parallel and one redundant at any one time
FIRE PUMP	

DECK GEAR

ANCHOR GEAR	
BOW WINCH	Markey WESD-16-16-26
BOW LINE	300' of 5" Circ. HMPE Line
BOW LINE PULL & BRAKE CAPACITY	8th Layer: 10,400 LBF @ 54 FT/MIN & 200,000 LBF Brake Capacity
TOW WINCH	Markey TESD-34AUL-100HP Double Drum
TOW LINE	(2) 2,500' of 2-1/4" Wire Rope
TOW LINE PULL & BRAKE CAPACITY	1st Layer: 129,162 LBF @ 22 FT/MIN & 645,214 LBF Brake Capacity

CREWING REQ.

DOM. < 600 NM	
INTL OR > 600 NM	
MAX. BERTHS	10

REGULATORY

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



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