



## Datos Generales Principal Particulars

Bandera / Flag	
IMO	9773870
Call Sign	HO5967
Tipo de Buque	Tug
Año / Year Built	2017
Eslora Total /Length Overall:	29.10 m
Amplitud Genera / Breadth Overall	13.23 m
Profundidad a los Lados / Depth at Sides	5.35 m
Draught Aft / Popa	5.46 m
Arqueo Bruto / Gross tonnage	431 t
Displacement consumables) / Displacement consumables)	(98%) 676 t / (98%)
Clasificación / Notation	Class I ✘ HULL • MACH Escort Tug Unrestricted Navigation AUT UMS INWATERSURVEY Fire-Fighting Ship 1 (without water spray)



## Maquinaria y propulsión Machinery / Propulsion

Maquina Principal / Main Engine:	2x Caterpillar 3516C TA HD/D
Poder Total/ Total Power	5050 bkW (6772 bhp) at 1800 rpm
Propulsor / Thrusters	2x Rolls Royce US255 P30 FP
Garras de Deslizamiento / Slipping Clutches	Rolls Royce "built in" type
Hélices / Propellers	2800 mm
Ventilación Forzada / Forced Ventilation	40.000 m³/h



## Velocidad Speed

Velocidad por delante / Speed ahead	13.7 Knots
Velocidad a popa / Speed astern	13.3 Knots



## Alojamiento Passenger Capacity

For 10 persons, insulated and finished with durable modern linings, acoustical ceiling in the wheelhouse, floating floors and air-conditioned. With 6 cabins, galley, mess/dayroom, switchboard room, dry store, changing room, store, engineer's workshop and sanitary facilities



## Capacidades Cargo Capacity

Combustible/ Fuel Oil	186.7 m <sup>3</sup>
Agua dulce / Fresh Water	17.2 m <sup>3</sup>
Aguas Residuales / Sewage	5.2 m <sup>3</sup>
Aceite de Lubricación / Lubrication oil	4.4 m <sup>3</sup>
Aceite sucio / Dirty oil	2.7 m <sup>3</sup>
Lodo / Sludge	2.4 m <sup>3</sup>
Agua de Sentina / Bilge Water	5.1 m <sup>3</sup>
Espuma / Foam	9.1 m <sup>3</sup>
Aceite hidráulico / Hydraulic oil	0.36 m <sup>3</sup>



## Equipo de Navegación Navigation Equipment

Searchlights	2x Xenon 450 W (FIFI 1)
Radar system	Furuno FAR-2117 with 19" LCD screen
Speedlog	Furuno DS-80
Compass	Magnetic Kotter
Autopilot	Simrad AP-70
GPS	Furuno GP-170
Echosounder	Furuno LS-6100
VHF	2x Sailor Compact 6222, 25 W
VHF hand-held	2x Jotron Tron TR-20
SSB	Furuno FS-1575
Inmarsat	2x Furuno Felcom 18
Navtex	Furuno NX-7GGA
AIS	Furuno FA-150
EPIRB	Jotron Tron-60s
Sart	Jotron Tron Sart 20
Anemometer	Windsonic OMC 115



## Equipo de Seguridad Fasety Equipment

### DECK LAY-OUT

Generator sets	2x Caterpillar C7.1 TA, 230/400 V, 125 kVA, 50 Hz	Anchor	2x 427.5 kg Pool (High Holding Power)
General service pumps	2x Sterling AKHA 6101 each 34 m3/h	Anchor/towing winch	Hydraulically driven two speed winch with double drum and warping head, pull 38 ton at 11.4 m/min, slack rope speed 35 m/min, 200 ton brake
Fuel pumps	Sterling AKHA 5101 and AOHA 3101	Capstan	5 ton at 15 m/min
Fuel oil purifier	Westfalia OTC 3-02-137, 1740 l/h	Crane + winch	Heila HLM 20-3S + 2000 kg winch
Bilge water separator	Facet 0.5 m3/h	Towing winch aft	Hydraulically driven two speed winch, pull 38 ton at 12 m/min on second layer, reduced pull up to 38 m/min on second layer, 200 ton brake
Cooling system	Box cooling + anti-growth system	Towing hook aft	Mampaey Disc type 100 ton
Fresh water pressure set	Sterling HBK 111 / AOHA 3101	Workboat	1x 4-meter inflatable workboat with 25 hp outboard engine
Hydraulic system	Double main engine driven pumps	Fendering	D-fender at sides, cylinder fender at transom corners, D-fender at stern, cylinder bow fender and W-block fender with water spray.
Sewage treatment plant	Hamann Supermini Plus		
Fifi set	Diesel driven pump 2400 m3/h (FIFI 1)		
Fifi monitors	2x 1200 m3/h, water/foam		



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