

KLASCO TOWAGE ASSISTANCE

www.towage-klasco.lt

ASD ICE TUG “KLASCO-1”

IMO Nr.: 9534731, Call sign: LY2187, MMSI: 277385000



MAIN PARTICULARS

BUILDER	„Pella Shipyard“, Russia
TYPE	ASD TUG 16609 ICE (Azimuth Stern Drive)
ICE CLASS (FOR HULL AND THRUSTERS)	ICE 2
YEAR OF BUILT	2008 October
VESSEL'S REGISTER	Lithuanian Register of Seagoing Ships (EU)
CLASSIFICATION SOCIETY	RMRS
TUGS CLASS NOTATION	KM ⚙ ICE 2 R2 AUT1 FF3WS TUG
NAVIGATION AREA	A1
GMDSS AREA	R1, Baltic Sea
FLAG	Lithuania (EU)
GRT	277 t
LENGTH over all	29,44 m
BREADTH over all	10,10 m
DRAFT max operational	4,6 m
BOLLARD PULL max.	55 t
MAX SPEED / SERVICE SPEED	14 / up to 12,5 knots
ACCOMMODATION	7 persons in offshore / 11 person at port or inland waters

ENGINES, THRUSTERS

MAIN DIESEL ENGINES	2 x “Caterpillar” 3516 B-HD DITA B Rating (High displacement/ Heavy Duty/ TA) 2 x 1685 kW / rpm 1600
TOTAL POWER	3370 kW / 4219 bhp
AUXILIARY DIESEL ENGINES FOR GENERATORS	2 x “Caterpillar” 3056 2 x 94 kWt, 230/400 V-50 Hz
SPARK ARRESTERS	4 (For all engines)
THRUSTERS	2 x ASD ICE “Rolls Royce” Aquamaster US 205 Propeller D-2,2 m / 4 blades / stern ice knives
COOLING SYSTEM	External cooling water system

NAUTICAL / COMMUNICATION / SAFETY AND RESCUE EQUIPMENT	
RADAR (AIS + ARPA FUNC.)	Japan Radio, JMA-5410 with 17 inch LCD
MAGNETIC COMPASS	Cassens & Plath GmbH, Reflecta 1
SATELLITE COMPASS	Japan Radio, NWZ-4570
AUTOPILOT	Navis, AP-3000
WHF/DSC	Thrane & Thrane, Sailor RT-5022
AIS	Furuno, UAIS FA-150
GPS NAVIGATOR	Furuno, GP-32
NAVTEX	Japan Radio, NRC-333
EPIRB	Jotron, Tron 60S
SART	Thrane & Thrane, Sailor SGE 406 II
BRIDGE NAVIGATION WATCH ALARM SYSTEM (BNWAS)	Alphatron Marine BV, Alpha BNWAS
INTERCOM	Samyung Enc Co., Steenhans SNP-100
ECHO-SOUNDER	Furuno, FCV-585
SEARCHLIGHTS ADJUSTABLE FROM BRIDGE	3 x 180 ° / WISKA x 1000 W
LIFE RAFTS	2 x "Viking" for 10 persons each
FIRE DRAIN PUMP	2 x 24 m ³ /h
PORTABLE DYSEL FIRE FIGHTING PUMP	1 x 30 m ³ /h
FIREFIGHTING ACTIVE PROTECTION SYSTEM FI-FI 1	Powered by ME hydraulic clutch: 2 x Centrifugal water pumps each 1400 m ³ /h / 12 bar; 2 x water – foam monitors: water 2 x 1200 m ³ /h / with foam 2 x 300 m ³ /h. Throw L _{max} = 120 m / H _{max} = 45 m.
FOAM CONCENTRATE	Foam tank 1 = 20 000 m ³ ; Foam tank is not filled.

TOWING AND OTHER EQUIPMENT	
TOWING / ANCHORING WINCH FWR	Fluidmechanica: 1 x drum / 1 x floating Dyneema® rope; D - 56 mm / L - 150 m / MBL - 190 t; Winch brake holding force - 70 t; 2 speeds, with emergency towing rope release.
TOWING / MOORING WINCH AFT	Fluidmechanica: 1 x drum with 1 x galvanized steel wire rope with attachable on shekels triangle plate with shock absorber; D - 40 mm / L - 350 m / MBL - 115 t; Winch brake-holding force - 70 t; 2 speeds, with emergency towing rope release.
ANCHORS WITH STEEL CHAINS	2 x 360 kg. Pool (high holding power anchors); Chain lengths 140 m. per anchor. D-19 mm, Q2 class.
TOWING HOOK AFT	SWL – 90 t, with hydraulic emergency release from bridge and manual release locally;
LNG + OXYGEN MONITORING DETECTORS ON BOARD	Microtector II G450 www.gfgeurope.com
FHD VIDEO - AUDIO RECORDING	FWR + AFT video capture for service execution process and temporary storage to HD

GENERAL ARRANGEMENT PLAN
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