

TUGBOATS

18 m x 30 TBP ROBERT ALLAN DESIGN

Specifications:	DILOVASI TYPE
TYPE:	Harbour tug
CLASS:	Bureau Veritas I 3/3 E, tug, coastal waters
DESIGN:	Robert Allan Ltd., Canada
IMO NO:	8978588
CALL SIGN:	TC 9224
BV NO:	01686 K
HULL NO:	23
LOA:	18.28m
BEAM:	6.70m
DEPTH:	2.48m
DRAFT:	3.00m
GROSS TONNAGE:	73.77
NET TONNAGE:	28.34
BRAKE HORSEPOWER:	1,920BHP/ 1432kW
BOLLARD PULL:	29
BUNKER CAPACITY:	23 ton
SERVICE SPEED:	10 knots
MAX SPEES:	12 knots
BUNKERS CONS:	6 tons/24 hrs.
BUILT IN:	1998
CREW:	3

MAIN ENGINES:	2 x 960 BHP Caterpillar 3508 TA Marine engines delivering 716Kw at 1,800 rpm
GEAR BOXES:	2 x Reintjes WAF 561 reverse reduction gearboxes Reduction ratio of 5.05 : 1
PROPULSION SYSTEM:	2x 1700mm Cu-Ni-Al Bronze propellers in twin fixed 1930mm kort nozzles tail shaft- main shaft/ coupling and propeller manufactured by "Lips"
ENGINE CONTROL:	2 x Rexroth Pneumatic Control System
RUDDERS/ STEERING:	2x2 x 45 degree Jastram high aspect flap rudders (x 2 for each nozzle) powered by variable displacement hydraulic pumps installed to the main-engines' power take off. System is completely "load sensing" and independent of engine speed.



BODY:	Steel/ Aluminium (accommodation)
TOWHOOK:	Mampaey DCX 18-25 disk type
CAPSTAN:	Data Hydraulic
ANCHOR WINCH:	Data Hydraulic
GENERATOR:	1 x Perkins 37 kVA.
FI-FI:	1 x pump and monitor for water/foam.
Capacity:	200 cum per hour @ 8 bar pressure
PROJECTOR:	1,000 watt 24 v Norselight.
VHF:	2 x Sailor RT 2048 VHF
RADAR:	1 x Koden 24 Mil Radar

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