



APEX

Type: VSP Ocean-going escort tug

Hull material: Steel

Owner: Østensjø Rederi A/S (Norway)

Apex is one of a series of 4 innovative tugs built by GONDAN between 2005 and 2008, in close cooperation with propulsion specialist Voith-Schneider and Norwegian marine consulting firm Carl J. Amundsen Consultants A/S. Thanks to its bespoke hull lines incorporating a bulbous bow, sponsons and bilge keels, these compact escort tugs achieve exceptional steering forces, unprecedented for a vessel of its size, as well as being the first compact tugs incorporating the Voith Turbo Fin (VTF) system in its specially designed skeg.

MAIN PARTICULARS

General information

Hull material	Steel
Type	VSP Ocean-going escort tug
Delivery	2008
DNV-GL Class Notation	✘ 1A1,-TUG,EO,OILREC,FiFi I,Escort (130/10), ISM

Dimensiones principales

Length overall	37 m
Length between perpendiculars	33.3 m
Breadth moulded	14 m
Depth from main deck	5.4 m
Draught	6.9 m

Capacities

Fuel oil	120 m ³
Fresh water	24 m ³
Oil recovery	155 m ³

Accommodation

Accommodation for	6
Cabins	6 single cabins

PERFORMANCE & MACHINERY

Propulsion / Manouvering

Propulsion System	Conventional / Voith Schneider
Main Engines	2 x Rolls Royce Bergen C25:33L8p, 2,400 kW each
Main Propellers	2 x Voith Schneider 32R6/210-2

Features

Maximum speed	16 kn
Eco speed	10 kn
Bollard pull	68 t
Steering force at 10 knots	130 t

EQUIPMENT

Deck / Special equipment

Oil booms	1 x 250 m Nofi Spillrider 600
Oil skimmer	NorMar 200
Deck cranes	1 x 6,5 t at 10 m
Main towing winch	Type: Karmøy / Double drum
Pull/Brake force	200 t Pull / 300 t Brake