



CCGS SIGMA T

Official Number: 835205 Call Sign:

VESSEL SPECIFICATIONS

Length : 12.1 m
Breadth : 4.6 m
Draft : NA
Freeboard : NA
Gross Tonnage : 13.3 t
Net Tonnage : 10.0 t
Cruising Range : 200 nm
Endurance : 1 d
Cruise Spd : 11.0 kts

Maximum Spd : 14.0
Fresh Water : NA
Fuel Capacity : 1.20 m³
Fuel Consumption : NA
Ice Class : none
Class of Voyage : Near Coastal
MARPOL : No
IMO : No

ENGINEERING

Propulsion : Geared Diesel
Propulsion Desc. : (1) x Volvo Penta - D9
Power : 315 kw
Propellers : (1) x Fixed Pitch
Thrusters : Bow: No Stern: No
Emer.Gen Set : N/A
Generators : (1) x Northern Lights - OM843NW2

GENERAL OPERATION AND CREWING

Vessel Class : Specialty Vessel
Port of Registry : Ont. - Ottawa
Home Region : Atlantic Region
Home Port : N.S. - Dartmouth
Vessel Status : Active
Complement : 2
Officers : NA
Crew : 2
Berths Available : NA
Crewing Regime : Conventional

CONSTRUCTION DETAILS

Builder : Samson Enterprises Ltd.
Build Material : GRP
Ownership : Canadian Coast Guard
Year Launched : NA
Year in Service : 2011
Year Disposed : NA

HELICOPTER FACILITIES

Helo Capacity : NA
Type 1 : NA
Type 2 : NA
Type 3 : NA
Type 4 : NA
Flight Deck : No
Hangar : No
Storage : No

Area : NA
Area : NA
Fuel : NA

DECK EQUIPMENT

Main Hoist : HIAB 26-6
Crane 1 : A Frame
Crane 2 : N/A
Crane 3 : N/A
Workboat 1 : N/A
Workboat 2 : N/A
Workboat 3 : N/A
Workboat 4 : N/A

SWL : 0.5 t
SWL : 0.5 t
SWL : NA
SWL : NA
Launcher : N/A
Launcher : N/A
Launcher : N/A
Launcher : N/A

COMMS AND NAVIGATION EQUIPMENT

VHF AM : N/A
VHF FM : (1) x Standard Horizon - GX2000
HF : N/A
SatComms : N/A
Gyro : (1) x Anschutz Digital - Standard 22
Radars 1 : Sperry Marine - Bridgemaster E - X Band
Radars 2 : N/A
Radars 3 : N/A
Weather Fax : N/A

Elec. Charts : (1) x ICAN Aldebaran II
Auto Pilot : (1) x Comnav 2001
Speed Logs : N/A
GPS : (1) x SAAB - R4 (AIS)
MF DF : N/A
VHF DF : (1) x Rhotheta - 500 M
Depth Sounders : (1) x Suzuki - ES-2025
Sonar : N/A





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HOLDS AND DECK SPACE

Hold #1 : NA Hatch Size : N/A
 Hold #2 : NA Hatch Size : N/A

SCIENTIFIC EQUIPMENT

Lab No. 1 : 0 Area : NA
 Lab No. 2 : 0 Area : NA
 Lab No. 3 : 0 Area : NA
 Lab No. 4 : 0 Area : NA
 Scientific LAN : No
 Scientific Winches : 0
 Scientific Sounders: N/A
 Power on Deck: Hydraulic: No Electrical: No

CONTAINER CAPACITY

Focsle : NA
 Boat Deck : NA
 Flight Deck : NA
 After Deck : NA
 Other : NA

BIOGRAPHICAL INFORMATION

Sigma-t is a quantity used in oceanography to measure the density of seawater at a given temperature. σ_t is defined as $\rho(S,T)-1000 \text{ kg m}^{-3}$, where $\rho(S,T)$ is the density of a sample of seawater at temperature T and salinity S, measured in kg m^{-3} , at standard atmospheric pressure. Last update: 29 December 2022

MODERNIZATION INFORMATION

VESSEL IMAGES

None available

