



CCGS ALFRED NEEDLER

Official Number: 800746 Call Sign: CG2683

VESSEL SPECIFICATIONS

Length : 50.3 m
Breadth : 11.0 m
Draft : 4.9 m
Freeboard : 2.5 m
Gross Tonnage : 958.9 t
Net Tonnage : 225.0 t
Cruising Range : 3000 nm
Endurance : 30 d
Cruise Spd : 12.0 kts
Maximum Spd : 14.0
Fresh Water : 45.00 m³
Fuel Capacity : 209.50 m³
Fuel Consumption : 4.50 m³/d
Ice Class : none
Class of Voyage: Unlimited
MARPOL: Yes
IMO : 7907104

ENGINEERING

Propulsion: Geared Diesel
Propulsion Desc.: (1) x Caterpillar - 3606
Power : 2600 kw
Propellers: (1) x Controllable Pitch
Thrusters: Bow: No **Stern**: No
Emer.Gen Set: (1) x Caterpillar - 3306
Generators: (2) x Caterpillar - 3306

GENERAL OPERATION AND CREWING

Vessel Class : Offshore Fishery Science Vessel
Port of Registry : Ont. - Ottawa
Home Region : Atlantic Region
Home Port : N.S. - Dartmouth
Vessel Status : decommissioned
Complement : 21
Officers : 7
Crew : 14
Berths Available : 3
Crewing Regime : Layday

CONSTRUCTION DETAILS

Builder : Ferguson Industries Ltd.
Build Material : Steel
Ownership : Canadian Coast Guard
Year Launched : 1982
Year in Service : 1982
Year Disposed : 2023

HELICOPTER FACILITIES

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

DECK EQUIPMENT

Main Hoist : Atlas Polar **SWL** : 7.0 t
Crane 1 : HIAB Seacrane **SWL** : 2.0 t
Crane 2 : Palfinger Marine **SWL** : 0.9 t
Crane 3 : N/A **SWL** : NA
Workboat 1 : RHIB **Launcher** : Crane
Workboat 2 : RHIB **Launcher** : Manual boom
Workboat 3 : N/A **Launcher** : N/A
Workboat 4 : N/A **Launcher** : N/A

COMMS AND NAVIGATION EQUIPMENT

VHF AM: (1) x Icom - IC-A110
VHF FM: (1) x Sailor - RT-146
 (1) x Sailor - RT-2048
HF: (1) x Sailor - 6301
 (1) x Skanti - TRP 8255
SatComms: (1) x Sailor SC4000 Iridium
Gyro: (1) x Sperry - Mk 37
Radars 1 : Sperry Marine - Bridgemaster II - X Band
Radars 2 : Sperry Marine - Bridgemaster II - S Band
Radars 3 : N/A
Weather Fax: (1) x
Elec. Charts: (1) x ICAN Aldebaran II
Auto Pilot: (1) x Sperry Navipilot 4000
Speed Logs: (1) x Sperry Marine - Naviknot 450D
GPS: (2) x SAAB - R4 (AIS)
MF DF: (1) x Simrad - DL1620
VHF DF: (1) x OAR - Cubic 320
Depth Sounders: (1) x Elac - LAZ-4400
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
 Main Deck : 162.0 m²
 Boat Deck : 22.5 m²
 Forecastle : 48.0 m²
 After Deck : 16.0 m²

SCIENTIFIC EQUIPMENT

Lab No. 1 : Wet
 Area : 60.0 m²
 Lab No. 2 : Dry
 Area : 12.0 m²
 Lab No. 3 : Hydrographic
 Area : NA
 Lab No. 4 : Computer
 Area : NA
 Scientific LAN : Yes
 Scientific Winches : As per program
 Scientific Sounders: N/A
 Power on Deck: Hydraulic: Yes
 Electrical: Yes

CONTAINER CAPACITY

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

BIOGRAPHICAL INFORMATION

Decommissioned in 2023. Vessel awaiting disposal. Alfred Walker Holinshead Needler (1906-1998), born in Huntsville, Ontario, was key in establishing research for estimating large migratory marine fish populations. He began his career with the Department of Fisheries and Oceans in 1941 and eventually became Deputy Minister. His noteworthy contributions helped promote Canada's participation in the North Atlantic Fisheries Organization. Last update: 20 December 2022

MODERNIZATION INFORMATION

VESSEL IMAGES

