

**Attachment C – FVF Fairweather Vessel Specifications – Alaska DOT&PF - IFSB #2521S019
FVF FAIRWEATHER – RO-RO PASSENGER CATAMARAN TYPE VESSEL SPECIFICATIONS**

Year Built: 2004
Length (feet): 235'5"
Beam (feet): 59'1"
Displacement (long tons): 787
Loaded Draft (feet-inches): 8' 5½"
International Tonnage: Gross: 3,424
(cubic capacity) Ne: 1,027
Domestic Tonnage: Gross: 1,280
(cubic capacity) Net: 870
Horsepower @ Service Speed: 19,310
Service Speed (knots): 32
Fuel Usage (gallons/hour): 600
Normal Crew Capacity: 10
USCG Official Number: 1148175
IMO Number: 9265809 (*Built to meet all the Category B Passenger Craft requirements of the IMO 2000 HSC Code*)
USGC Classification: SOLAS/HSC Code Category B
DNV Classification: +1A1 HSLC R3 Passenger Car Ferry A EO
Call Sign: WDB 5604

Booking Capacities – Certificate of Inspections Limits:

Passengers: 250
Vehicles (lane feet): 620
Quantity of 20 foot vehicles: 31
Commercial Vans: 3

Vessel Engine & Power Plant

Number: 4
Make: MTU 20V 4000 *U.S. EPA Tier 2 Certified*
Model: M73L
Year Installed: 2004 (Original engines: MTU 16V595 TE70)
Year Repowered: 2014 (Repowered engines: MTU 20V 4000 M73)
Engine Hours About: Engine #1: 6307/ Engine #2: 6271 / Engine #3: 5970 / Engine #4: 6301

Bow Thruster

Type: Electric (2)
Make: Quantum Marine
Model: V2-20
HP: 200 (100 Ea.)
RPM: 1800

Propulsion (Waterjet)

Type: Kamewa
Make: 90S II
Blades/Vanes: 6

Generator Plant

Number: 3
Make: Northern Lights
Model: M6125T
Cylinders: 6
KW/Unit: 185
RPM: 1800

Emergency Generator*

Make: Northern Lights
Model: M6125T
KW/Unit: 185
RPM: 1800

*See Attachment K – FVF Fairweather Condition Report
Section 7.4 Emergency Electrical Power Generation

Elevator

Manufacturer: MacGregor Type MC 3000