COOK INLET RCAC Board Meeting

Eric F. Smith
Vice President, Overseas Shipholding Group

December 3, 2010

OSG Corporate Overview

Crude Oil

Products

U.S. Flag

Gas

A market leader in global energy transportation services

Quick Facts

Offices	**North America** New York, Tampa, Houston, Ft. Lauderdale, Philadelphia, Montreal **Europe** London, Newcastle, Athens **Asia/Pac** Singapore, Manila, Doha
Fleet	**108 Operating and Under Construction**
Cargoes Traded	**Crude oil, refined petroleum products and liquefied natural gas**
Markets	**U.S. and International**
Employees	**3,800 U.S. and International mariners and shoreside staff**
Founded	**1948**
Exchange / Index	**NYSE: OSG / Dow Jones Transportation Index**

OSG – U.S. Flag Fleet

Largest Blue Water fleet in the US

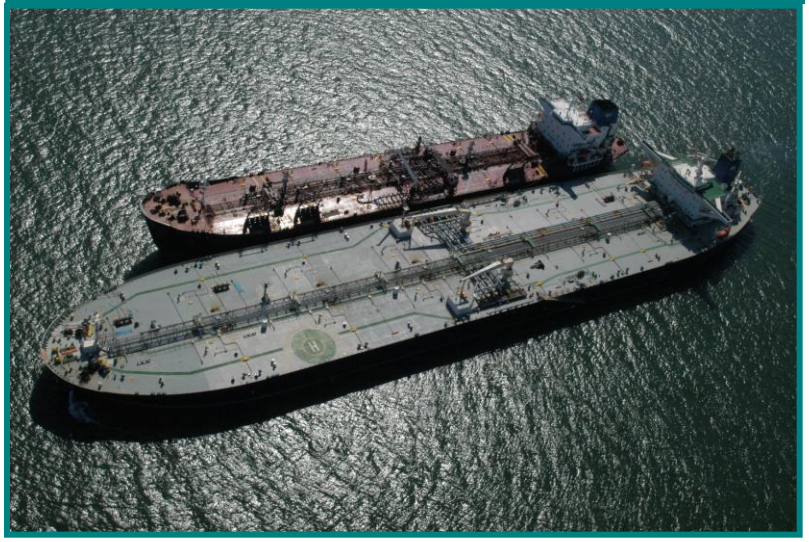
- 10 Product Tankers
- 2 Shuttle Tanker
- 7 Clean Articulated Tug/Barges (ATB's)
- 4 STS Lightering vessels

Largest U.S. Lightering presence

Largest transporter of clean product into Florida

Ownership in the Alaska Tanker Company (ATC) – 37%

Largest mover of crude oil in and around U.S. waters



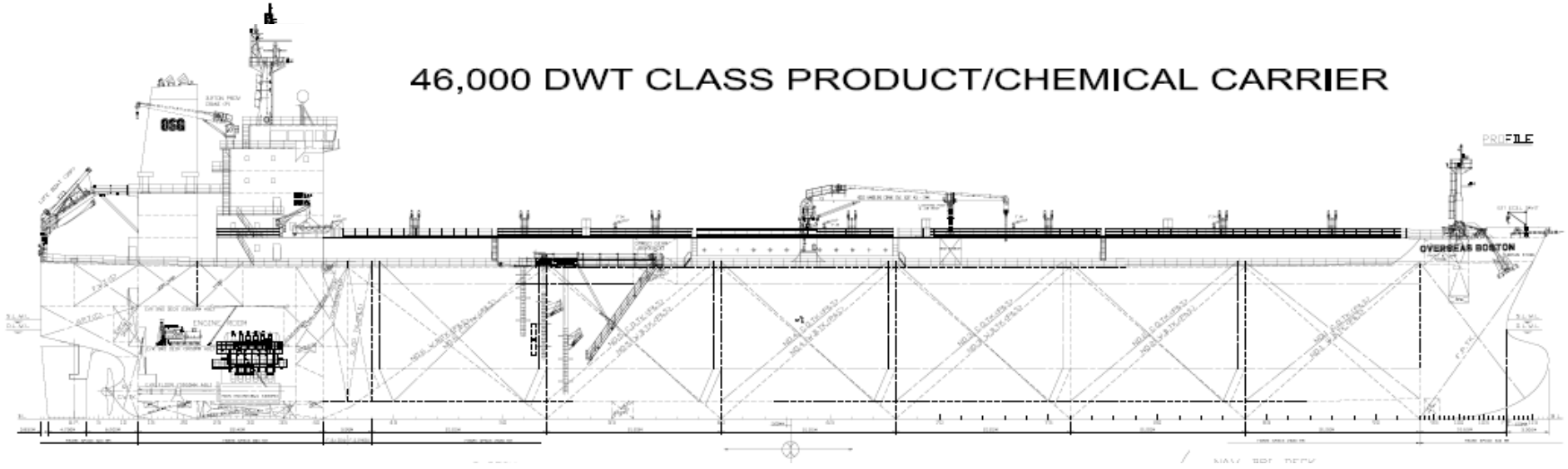
Tesoro Vessel's

Vessel Name	Delivery Date
Overseas Boston	19 Feb. 2009
Overseas Nikiski	11 June 2009
Overseas Martinez	14 May 2010
Overseas Anacortes	31 August 2010

- Veteran Class' MT46 tanker
- Designed for maximum cargo flexibility
- Equipped with PWS Towing Package
- FRAMO Cargo System

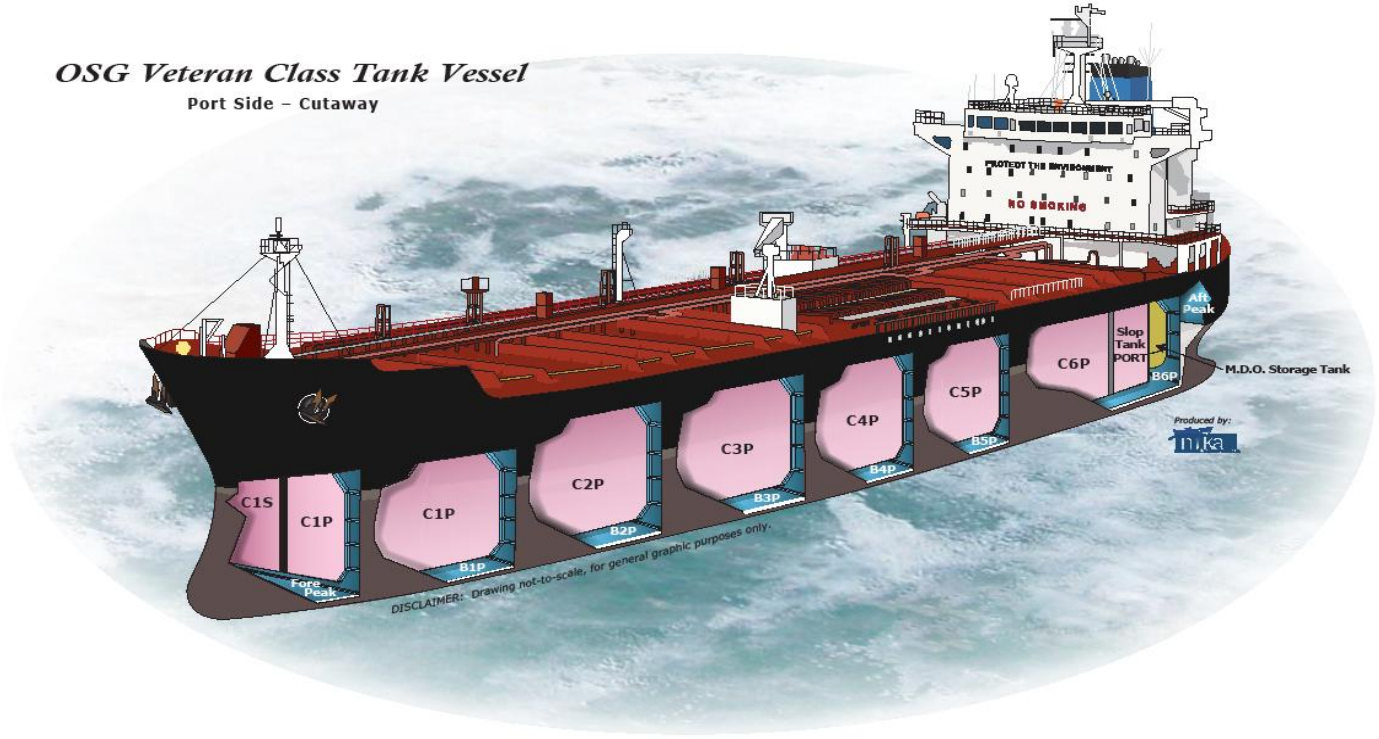
Aker ‘Veteran Class’ MT46 Chemical / Product tanker

- Length (O.A.) 183.2
- Breadth 32.2 M
- Depth 18.8 M
- Draft (Sum) 12.2 M
- DWT 46,287 MT
- Main Engine MAN-B&W 6S50MC
- BHP 11,640 @ 127 RPM



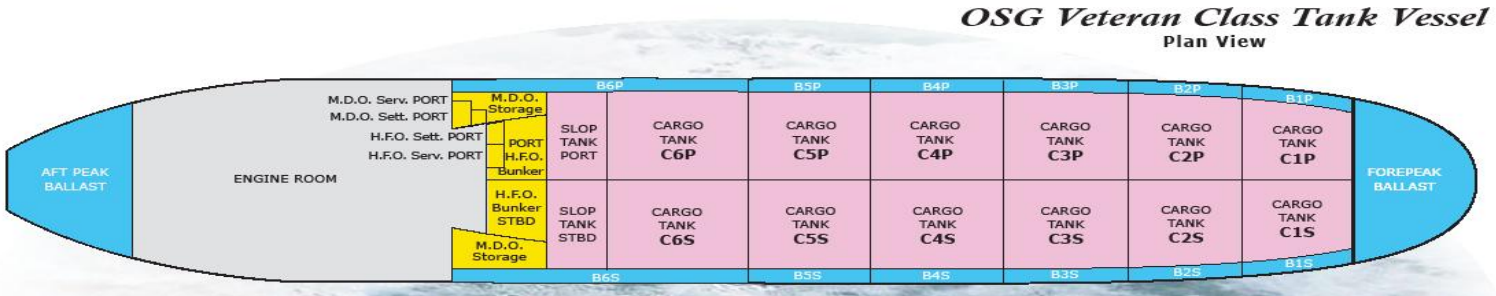
Environmental Design Features

- **Double Hull Construction**



Environmental Design Features – Cont'd

- **No FO Tanks are common with Ships Side or Bottom**



Cargo Tank Summary	
Tank	Qty (bbls)
NO. 1 Cargo Tank Port (**C1P**)	20,508
NO. 1 Cargo Tank STBD (**C1S**)	20,508
NO. 2 Cargo Tank Port (**C2P**)	28,684
NO. 2 Cargo Tank STBD (**C2S**)	28,684
NO. 3 Cargo Tank Port (**C3P**)	29,322
NO. 3 Cargo Tank STBD (**C3S**)	29,322
NO. 4 Cargo Tank Port (**C4P**)	29,322
NO. 4 Cargo Tank STBD (**C4S**)	29,322
NO. 5 Cargo Tank Port (**C5P**)	29,213
NO. 5 Cargo Tank STBD (**C5S**)	29,213
NO. 6 Cargo Tank Port (**C6P**)	25,209
NO. 6 Cargo Tank STBD (**C6S**)	25,209
Slop Tank Port	3,583
Slop Tank STBD	3,583

Intermediate Fuel Oil	
Tank	Qty (TON)
H.F.O. Bunker Tank Port	588
H.F.O. Bunker Tank STBD	550
H.F.O. Serv. Tank Port	35
H.F.O. Sett. Tank Port	44
L.S.H.F.O. Bunker Tank STBD	168

Marine Diesel Oil	
Tank	Qty (TON)
M.D.O. Stor. Tank Port	62
M.D.O. Stor. Tank STBD	88
M.D.O. Serv. Tank Port	24
M.D.O. Sett. Tank Port	11

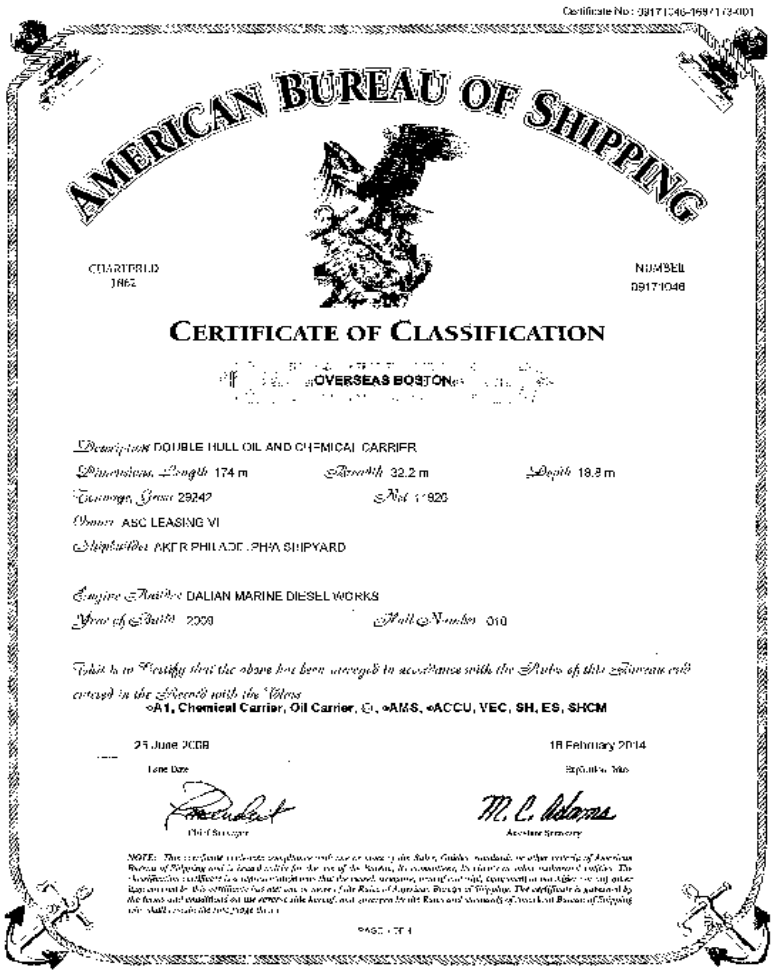
Ballast Tank Summary	
Tank	Qty (TON)
Forepeak	2,488
NO. 1 Ballast Port	1,981
NO. 1 Ballast STBD	1,683
NO. 2 Ballast Port	1,875
NO. 2 Ballast STBD	1,576
NO. 3 Ballast Port	1,851
NO. 3 Ballast STBD	1,559
NO. 4 Ballast Port	1,851
NO. 4 Ballast STBD	1,551
NO. 5 Ballast Port	1,842
NO. 5 Ballast STBD	1,542
NO. 6 Ballast Port	2,411
NO. 6 Ballast STBD	2,050
Aft Peak Tank Ballast	705

Environmental Design Features – Cont'd

- **All Engines EPA Tier II Compliant**
- **Type II MSD / Vacuum Flush**

ABS Class Environmental Safety (ES) Notation

- Hull Anti-fouling Systems
- Ballast Water Management
- Oil Pollution Prevention
- Sewage Pollution Prevention
- Garbage Pollution Prevention
- Emission to Air



Certificate No: 09171046-169717-3001

AMERICAN BUREAU OF SHIPPING

CHARTERED 1862

NUMBER 09171046

CERTIFICATE OF CLASSIFICATION

OVERSEAS BOSTON

Description DOUBLE HULL OIL AND CHEMICAL CARRIER

Dimensions, Length 174 m Breadth 32.2 m Depth 18.8 m

Tonnage, Gross 29247 Net 17826

Owner ASC LEASING VI

Shipbuilder AKER PHILADELPHIA SHIPYARD

Engine Builder DALIAN MARINE DIESEL WORKS

Year of Build 2008 Hull Number 010

This is to Certify that the above has been accepted in accordance with the Rules of this Bureau and entered in the Records with the Class

✠A1, Chemical Carrier, Oil Carrier, ⊙, ✠AMS, ✠ACCU, VEC, SH, ES, SHCM

25 June 2008 — Issue Date

18 February 2014 — Expiration Date

M. C. Adams — Assistant Secretary

NOTE: This certificate indicates compliance with one or more of the Rules, Guides, standards or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. The classification certificate is a statement that the vessel, structure, machinery or other item to which it pertains was in accordance with the Rules of American Bureau of Shipping. The certificate is authorized by the terms and conditions of the agreement, and governed by the Rules and standards of American Bureau of Shipping. It shall remain the property of the Bureau.

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OSG Betterments

- Oil Water Separator Polishing Filter & 3 Way Valve
- Foscle Modifications / Work Benches
- Main Deck Ramp Hand Rails
- Ballast Sighting Mod
- Man Hole Guards
- Machine Shop Work Benches
- Engine Stores Jib Crane
- Storm Ballast Crossover
- Bilge to Slop Tank Transfer Line
- Additional heater throughout the ship
- Variable Frequency Drives (VFD's) - De-Icing System
- Forward & Aft Winch Tray's

Critical Area Inspection Plan (CAIP)

- **Initial CAIP submitted to USCG / ABS**
- **Initial CAIP carried out on the Overseas Boston / No Off Hire**
- **CAIP Approved pending Initial Survey be carried on remainder of vessel's before completing one year in the TAPS Trade.**

OSG SHIP MANAGEMENT, INC.

NAME OF VESSEL	**OVERSEAS BOSTON**
BUILDER:	AKER PHILIDELPHIA
HULL NO.	010
YEAR OF BUILD	2009
Official No.: IMO No. : ABS ID No.: DESIGN CLASS:	1207239 9353565 09171046 APSI - MT46 - VETERAN CLASS
TITLE :	OVERSEAS BOSTON CRITICAL AREA INSPECTION PLAN, SUMMARY REPORT

REV #	Author	Date
0	G. Doyle	September 22nd, 2009
1	G. Doyle	January 11th, 2010
2	G.Doyle	February 9th 2010
3	G. Doyle	May 12th, 2010

APPROVED by ABS on behalf of the USCG for compliance with applicable USCG Regulations subject to any amendments or comments in ABS letter
ABS
USCG approval applies only to specified vessel(s)

REVIEWED as indicated in ABS letter
ABS

AKER PHILADELPHIA SHIPYARD, HULL 010
ABS ID 09171046

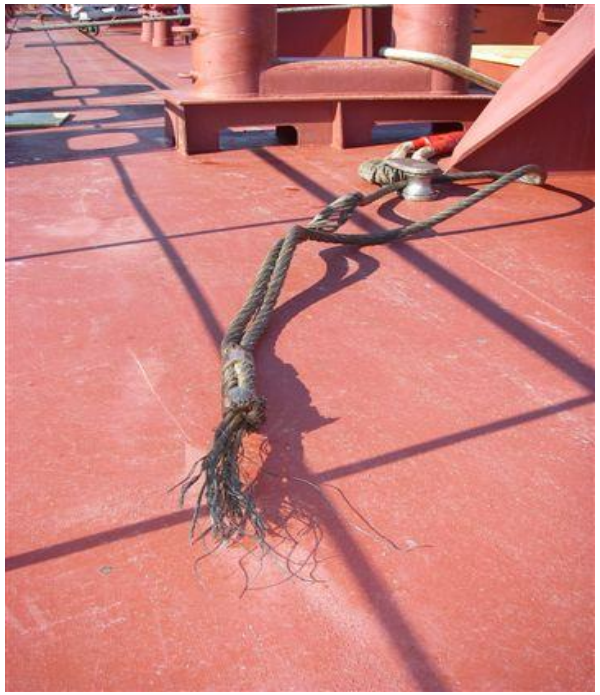
Copy ABS Houston Ref 588182 Date 21-MAY-2010

OSG's Commitment in Providing Reliable Service & Succeeding in the Alaska Trade

- **Roller Chocks – Overseas Martinez & Anacortes. Port Side**
- **Upgrade Mooring Wire size for increased strength**

OSG's Commitment in Providing Reliable Service & Succeeding in the Alaska Trade

- **Replace Bow Wire Ropes with DPX 75 (HMPE) Mooring Lines (Head Lines). Strength Upgraded 68 to 75 MT**
- **SAMSON P7 Pendants used to replace Shipyard Supply.**



AMSTEEL-BLUE: THE BEST ALL-AROUND DYNEEMA ROPE, A DIRECT REPLACEMENT FOR WIRE ROPES PROVEN TO REDUCE TUG ASSIST AND MOORING COSTS.

FEATURES:
- Uses Dyneema® SK-75 HMPE fiber
- A size for size strength replacement for wire rope at only 1/7th the weight
- Torque-free, very flexible, easy to handle
- Similar elastic elongation to wire rope
- Easily inspected or field spliced
- Floats

APPLICATIONS:
- Primary vessel mooring lines
- Tractor tug working lines off winch drum
- Face and wing wires for push tugs
- Emergency and seismic tow lines

For More Information Contact: American Rigging Supply, Inc.

AMSTEEL®-BLUE IS A PROVEN COST-SAVING REPLACEMENT FOR WIRE ROPE IN KEY APPLICATIONS WHERE STRENGTH, WEIGHT AND SAFETY ARE IMPORTANT.

Recognized worldwide as the standard for single braid HMPE ropes, AmSteel-Blue is easily spliced and inspected. These features, with the superior wear and flex fatigue of Dyneema SK-75 fiber and Samthane™ coating, are combined in a torque-free 12-strand single braid design. The result is an industry leading braided synthetic rope that outlasts wire rope and has proven operator cost saving benefits.

AmSteel-Blue, at only 1/7th the weight of wire, requires less committed crew for mooring operations, significantly reduces mooring times and tug costs, and improves crew safety. The reduced weight, high strength and low stretch also make it ideal for Tug Assist/maneuvering lines, resulting in quick, efficient connections and control response. AmSteel-Blue is proven to provide longer service life and reduced costs in a variety of applications.

Standardized working pendants are available for mooring and tug assist lines, see page (14 & 17).

Recommended for split drum winch applications; not recommended for use on H-bitts, capstans or cleats if surging or rendering the rope is required.

12-STRAND

AMSTEEL®-BLUE

Size Dia. Inches	Size Circ. Inches	Weight lbs Per 100 FT.	SRT MBS/lbs.	Size Dia. mm	Weight KG Per 100 M	SRT MBS/Metric Tonnes	ISO/BS EN919 Strength/Metric Tonnes
3/16"	9/16"	1.0 lbs.	4,900 lbs.	5mm	1.5 kg	2.2 MT	2.4 MT
1/4"	3/4"	1.6 lbs.	7,700 lbs.	6mm	2.4 kg	3.5 MT	3.9 MT
5/16"	1"	2.7 lbs.	12,300 lbs.	8mm	4.0 kg	5.6 MT	6.2 MT
3/8"	1-1/8"	3.6 lbs.	17,600 lbs.	9mm	5.4 kg	8.0 MT	8.9 MT
7/16"	1-1/4"	4.2 lbs.	21,500 lbs.	11mm	6.2 kg	9.8 MT	10.9 MT
1/2"	1-1/2"	6.4 lbs.	30,600 lbs.	12mm	9.5 kg	13.9 MT	15.4 MT
9/16"	1-3/4"	7.9 lbs.	36,500 lbs.	14mm	11.8 kg	16.6 MT	18.4 MT
5/8"	2"	10.2 lbs.	47,500 lbs.	16mm	15.2 kg	21.5 MT	23.9 MT
3/4"	2-1/4"	13.3 lbs.	58,000 lbs.	18mm	19.8 kg	26.3 MT	29.2 MT
7/8"	2-3/4"	19.6 lbs.	81,700 lbs.	22mm	29.2 kg	37.1 MT	41.2 MT
1"	3"	21.8 lbs.	98,100 lbs.	24mm	32.4 kg	44.5 MT	49.4 MT
1-1/16"	3-1/4"	27.5 lbs.	118,000 lbs.	26mm	40.9 kg	53.6 MT	59.6 MT
1-1/8"	3-1/2"	31.9 lbs.	133,000 lbs.	28mm	47.5 kg	60.4 MT	67.1 MT
1-1/4"	3-3/4"	36.2 lbs.	149,000 lbs.	30mm	53.9 kg	67.5 MT	75.0 MT
1-5/16"	4"	41.8 lbs.	166,000 lbs.	32mm	62.2 kg	75.2 MT	83.5 MT
1 3/8"	4-1/8"	45.0 lbs.	185,000 lbs.	34mm	67.0 kg	83.9 MT	93.2 MT
1-1/2"	4-1/2"	51.7 lbs.	205,000 lbs.	36mm	76.9 kg	92.9 MT	103.0 MT
1-5/8"	5"	65.2 lbs.	255,000 lbs.	40mm	97.0 kg	116.0 MT	128.0 MT
1-3/4"	5-1/2"	78.4 lbs.	302,000 lbs.	44mm	117.0 kg	137.0 MT	152.0 MT
2"	6"	87.0 lbs.	343,000 lbs.	48mm	130.0 kg	155.0 MT	173.0 MT
2-1/8"	6-1/2"	109.0 lbs.	411,000 lbs.	52mm	162.0 kg	186.0 MT	207.0 MT
2-1/4"	7"	118.0 lbs.	483,000 lbs.	56mm	173.0 kg	219.0 MT	244.0 MT
2-1/2"	7-1/2"	148.0 lbs.	529,000 lbs.	60mm	220.0 kg	240.0 MT	267.0 MT
2-5/8"	8"	167.0 lbs.	596,000 lbs.	64mm	249.0 kg	270.0 MT	300.0 MT
2-3/4"	8-1/2"	187.0 lbs.	662,000 lbs.	68mm	278.0 kg	300.0 MT	333.0 MT
3"	9"	206.0 lbs.	746,000 lbs.	72mm	307.0 kg	339.0 MT	377.0 MT
3-1/4"	10"	240.0 lbs.	906,000 lbs.	80mm	357.0 kg	411.0 MT	457.0 MT

AMSTEEL-BLUE

PRODUCT CODE: 872

TECHNICAL SPECIFICATIONS:

CLASS II ROPE

SPECIFIC GRAVITY:
.98 (floats)

ELASTIC ELONGATION PERCENTAGE:
At % of break strength
10% 0.46%
20% 0.70%
30% 0.96%

SPLICING PROCEDURES REQUIRED:
- EYE SPLICE – 12-Strand/Class II Rope
- END FOR END SPLICE – 12-Strand/Class II Rope

SAMSON

OSG's Commitment in Providing Reliable Service & Succeeding in the Alaska Trade

- **Alaska Ship Simulator – Seward, AK**
- **3 Bridge Setup Allows for Interaction Between Vessels or as Separate Traffic Scenarios**

Home Admissions Training Programs/Courses Student Services AVTEC Community Search AVTEC

AVTEC Alaska's Institute of Technology

Alaska Maritime Training Center

Quick Links...

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- Training Dates & Cost
- AVTEC Online Classes
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- News Highlights/Information
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- School Breaks & Holidays
- Campus Map
- Site Map

Alaska has more coastline than all the other United States combined. Alaska's maritime environment is one of the most challenging in the world. Safely transporting passengers and freight or carrying out commercial fishing operations in Alaskan waters requires well-trained captains and crews. The goal of the Alaska Maritime Training Center is to promote safe marine operations by effectively preparing captains and crewmembers for employment in the Alaskan maritime industry.

The Alaska Maritime Training Center is a United States Coast Guard approved training facility located in Seward, Alaska, and offers USCG/STCW compliant maritime training. In addition to the standard courses offered, customized training is available to meet the specific needs of maritime companies. Courses are delivered through the use of our world class ship simulator, state of the art computer based navigational laboratory and modern classrooms equipped with the latest instructional delivery technologies.

Mission

To provide Alaskans with the skills and technical knowledge to enable them to be productive in our continually evolving maritime industry.

Online Training

Supplemental to our on-campus classroom training, the Alaska Maritime Training Center has a partnership with the Maritime Learning System to provide mariners with online training for entry-level USCG Licenses, endorsements and renewals. For more information click here.

MARINERS LEARNING SYSTEM
Earn Your Captain's License Online!
Training programs approved by the USCG.
ENROLL NOW!

U.S. Coast Guard Approved/STCW Compliant Courses

- Able Seaman
- Assistance Towing Operations
- Automatic Radar Plotting Aids (ARPA) Operations
- Basic Safety Training - STCW95; includes:
  - First Aid & CPR
  - Personal Safety and Social Responsibility
  - Basic Fire Fighting
  - Personal Survival Techniques
- Bridge Resource Management (BRM)
- Global Maritime Distress & Safety System (GMDSS)
- Master Not More Than 200 Tons Program
- Meteorology
- Operator of Uninspected Passenger Vessels (OUPV)
- Proficiency in Survival Craft
- Qualified Member of Engine Department (QMED) Oiler
- Radar Observer (Unlimited), Original
- Radar Observer (Unlimited), Refresher
- Radar Observer (Unlimited), Recertification
- Rating Forming Part of a Navigational Watch
- Seafood Processor Orientation and Safety Course
- Shipboard Emergency Medicine
- Tankship – Dangerous Liquids (P.I.C.)
- Visual Communications/Flashing Lights
- Medical Care Provider

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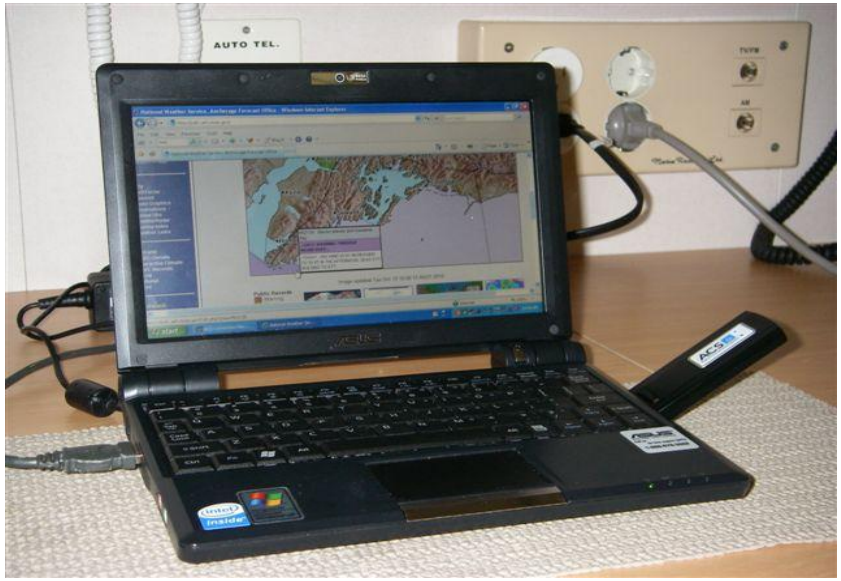
OSG's Commitment in Providing Reliable Service & Succeeding in the Alaska Trade



- **Lap Tops with Air Card for Real Time Weather Information**
- **Continued Vessel Visits / Managing Office**

OSG's Commitment in Providing Reliable Service & Succeeding in the Alaska Trade

- **Best Practice Sharing between Vessel's**
- **Ice Mate Employed During Winter Months**

Thank You for your Attention