

AAC Marine Experts, inc.
Captain Arlen Leiner, AMS®
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C/V of CAPTAIN ARLEN LEINER

- (1) Numerous experience as certified expert witness in the Marine Field in the past 33 years, (550 + cases) including Diminished Valuation, Accident and Death Reconstructions, Vessel collisions, Sinking's, Fire Reconstruction, Injury and Death, Cruise ships Accidents, Boat Construction, Repair and Quality Control, Marine Engines and Installations, Testifying in the United States, Great Britain, BVI's, Mexico, Spain, Puerto Rico, France, Poland and Greece.
- (2) Experience with Docks (loading and unloading of persons as well as equipment), Boatyards, and Marinas, Boat Construction, Repair and Quality Control, Boat and Ship Construction, as well as Management of New Construction and Repair,
- (3) Experienced boat builder Ocean Horse Label (before HIN's) 178FRP Commercial boats, 3 Steel, 3 Aluminum, 7 Wood, 8 sail 5 FRP and 3 Steel)), and from 2007 on under the AMS HIN Experienced and licensed operator (Master since 1963)
- (4) Experienced Marine Engineer License 4000 Horsepower or greater from 1970 to 1993 (not renewed due to lack of use)
- (5) Appraiser for recreational, commercial charter, and fishing vessel safety (Certified to give the USCG inspections of commercial fishing vessels, and commercial workboats)
- (6) Insurance damage Inspector and claims DAVIS and CO. LTD., Boat Us, Endurance, as well as numerous other insurers and underwriters as well as their clients.
- (7) Inspector of over 14,000 boats and ships for condition, valuation, insurance, donation, finance, risk, disaster, accidents, salvage, damage, repair, hull, moisture, mold, delamination, corrosion analysis, wood, Kevlar, FRP, including Ships, Submarines, Submersibles Landing Craft, Barges, Tow Boats, Jack Up Rigs, Tankers, Mega Yachts, Yachts, Commercial fishing, Sport fish, Sail, Houseboats, Pontoon, Boat Trailers and repair, I/O engines, Outboard gas engines, Gas and Diesel Inboard Engines, Boat trailer accidents, Freight, Sea Trials, On and Off Hire Surveys, Trip and Tow Surveys, as well as Cargo by all shipping methods. Extensive knowledge of scaffolding and ladders as well as the use of ladders and scaffolding to board vessels in boat and shipyards as well as the proper securing of ladders to vessels due to use in family boat yard in New York, as well as thousands of boarding of boats and ships in boat and shipyards to inspect vessels.
- (8) Inspection of 275 + homes and buildings for mold and water intrusion due to excessive moisture intrusion using FLIR INFRARED THERMAL IMAGING and FLIR INFRARED MOISTURE METERS as well as FLIR Bore Scoping as destructive testing. Over 150 hours of Infrared Thermal Image Training in the past 24 years by INFRAMATION Institute, ITC and FLIR direct personnel.
- (9) Inspect MOLEX INTERNATIONAL CORPORATION, Pumps, Motors, Electrical Panels, in two Plants in St. Petersburg, Florida. Using FLIR Infrared Thermal Imaging to determine running condition of equipment.

- (10) Certified Internationally NDT testing (Audio gauging Steel and Aluminum)
- (11) Steel and Aluminum Construction under tutelage of Duckworth Boats as well as other builders.
- (12) Equipment Associated with Boats and Ships
- (13) 2010 POLISH REGISTRAR OF SHIPPING Inspection Course (2 weeks) on CE examinations and ship inspections. (Gdansk, Poland)
- (14) Certified Diver, Familiar with Deep water work as well as shallow work, including remote as well as attached tankage, Deep water saturation work.
- (15) Engine Surveys and Inspections, Diesel Engine Schools Attended, GM Diesel and Gas (all venues), YANMAR, VOLVO PENTA Diesel, CATERPILLAR, JOHN DEERE, MAN, MTU, DEUTZ, LEHMAN, PERKINS, IZUSU, CUMMINS, and ONAN. Gasoline Engine Schools, MERCURY, MERCURISER, VOLVO PENTA, YAMAHA, EVINRUDE, HONDA, SUZUKI, TOHATSU
- (16) ABYC Electrical ABYC Electrical Systems
- (17) ABYC Collision Investigation
- (18) First Marine Claims Seminar
- (19) Knox Claims Seminars 2007, 2009, 2012, 2014
- (20) ABYC Composites Course
- (21) ABYC Electrical Corrosion Course
- (22) ABYC Composites Course
- (23) IBEXU Composites Course
- (24) IBEXU Advanced Composites Course
- (25) IBEXU Surveying and repairing Advanced Composites
- (26) IBEXU Improving Gel Coat Quality
- (27) IBEXU Demystifying Propeller Design,
- (28) IBEX National Meetings 1996, 1998, 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014
- (29) WORKBOAT National Seminars, 1997, 1999, 2001, 2003, 2005, 2007, 2009, 2011, 2013
- (30) IAMI National Seminar 2003 (Panama City Beach, Fl.), 2008 (Baton Rouge La)
- (31) SAMS® National Seminars 1999, 2004, 2007 2009, 2011, 2014

Education and Work Experience

- (1) AAC MARINE Experts, inc. Combining all affiliate Corporations including family boat building and boat repairs.
- (2) 2010 to Present. Worked on Litigation against BP during Deepwater Horizon Oil Spill
- (3) 1970-2008: President, KNOT Just Maritime Services, SAGA Marine, Davie Marine Engine Rebuild and AAC Marine Surveyors; Marine surveying of boats and engines including pre-purchase as well as damage, Vessel and ship deliveries around the world which included commercial Tug and Barge Handling, as well as Yacht deliveries and Private Captain for large sport-fishing boats. Boat handling and operational experience including running and operational hands on experience of Ships to 650 feet, Commercial Fishing Boats including, large trawlers, factory style vessels, shrimp boats, long line commercial fishing boats, offshore scallop boats and commercial grouper fishing boats. construction of commercial boats. Davie Marine Engines, rebuilds of marine diesel and gasoline engines'.
- (4) 1967-1979: Operator party fishing boat fleet, Brooklyn, NY; Management fleet of

- seven boats between New York, Mass. and Florida for family. Worked for GM in engineering on upgrades concerning GM 71 and 53 engines
- (5) 1963-1967 Part-time operator family party fishing boats, in New York, summers and weekends, helped run family owned repair yard in New York, In addition to repairing boats and engines in family boatyard.
- (6) 1963-1967 University of Toledo; BS and MS in Mechanical Engineering / combustion Engines.

CERTIFICATION/PROFESSIONAL MEMBERSHIPS (past and present)

- ❖ International Bureau of Shipping (INSB)
- ❖ Registered US boat builder under HIN: AMS
- ❖ International Association of Marine Investigators (IAMI)
- ❖ Society of Naval Architects and Marine Engineers (SNAME)
- ❖ US Surveyors Association (Certified Master Marine Surveyor)
- ❖ National Association of Marine Surveyors (NAMS)
- ❖ American Boat and Yacht Council (ABYC)
- ❖ National Fire Protection Association (NFPA)
- ❖ Society of Accredited Marine Surveyors (SAMS®),
- ❖ USPAP Certified
- ❖ US Boat Exchange
- ❖ Certified Diver, Consultant to Oil, Hydromapping, and Commercial Fishing Industries
- ❖ Member Boat US CAT team
- ❖ Davis and CO.,LTD (Damage surveyors)
- ❖ USCG/Merchant Marine Master, 11th Issue since 1963
- ❖ Completed all STCW's for US and International Requirements
- ❖ Unlimited Towboat license since 1967
- ❖ Marine Engineering License Greater than 4000H.P.
- ❖ Level 3 Internationally Certified INFRARED THERMOGRAPHER (over 7900 vessels and 250+ homes and buildings inspected since 1995).
- ❖ Internationally Certified NDT Audio gauge certification
- ❖ Approved Subcontractor to Lloyds of London
- ❖ Certified and approved to testify in US Federal Court
- ❖ Certified and Accredited Engine and Electrical Surveyor
- ❖ Associate to PRS (Polish Registrar of Shipping)
- ❖ Named associate to IMCI and EUROCONTROL, both European CE marking Notified Bodies
- ❖ MSI (UK worldwide) Consultant surveyor and Expert Witness

Additional Information

I have been a licensed USCG Master since 1963 and have held a USCG Engineering License > 4000 H.P, in addition to an unlimited towboat license. My experience goes all the way back as a boy of six starting in my family's business of party and commercial fishing boats (a family business which goes back to the 1920's in New York). As I grew older I worked in the engine repair facilities and boatyards the family owned. At 14 I was docking 140'

boats. I have done hundreds of inspections, depositions and court cases since the mid 1980's including work on the BP Deep Horizon oil spill. I have testified as an expert witness in cases worldwide as well as the U.S. and Florida. I have done accident reconstruction on small craft, yachts, as well as commercial fishing and work boats and large ships including the newest 1000' long passenger ships. These include collisions, sinking's, fire, groundings, death cases including alcohol related. I have also done diminished value claims. My business has built over 150 vessels in Fiberglass, composite, wood, steel and aluminum under the USCG Hull Identification AMS and in earlier years, before Hull Identifications, the "Ocean Horse" label. I have attended most of the marine engine schools over the years and did some work for GM on the early upgrades of the 53,71 and 149 engines as a young engineer. I am a certified FLIR Infrared Thermographer as well as a certified Non-destructive Testing audio-gauger, and have all the latest equipment including engine computers, bore-scopes, and ultrasound equipment in addition to the infrared thermal imager and audio-gauge. I attend various schools and seminars throughout the year on accident reconstruction, electrical, and vessel construction. I do work for the Polish Registrar of Shipping, Lloyd's of London, as well as several French and domestic insurance companies. I HAVE BEEN HIRED BY BOTH PLAINTIFF AND DEFENSE AND HAVE ALWAYS BEEN ACCEPTED AS AN EXPERT WITNESS AND SURVEYOR. MY POSITION IS ALWAYS "JUST THE FACTS".

As a ships Master, Engineer, as well as a surveyor I have inspected ships elevators, electrically and hydraulically controlled water tight as well as passenger doors in used, as well as new condition or as the ship has been reconstructed. I do condition, appraisal inspections as well as valuation appraisals, Infrared Thermal Imaging, NDT audio-gauging, Accident Reconstruction, including death, fire collision sinking, collapsing hatch supports both mechanical, electric and hydraulic, slip and falls, boatyard accidents, Diminished Valuation, Seaworthiness, Proper Repairs and Build, Boat and ship engines, and Paint condition. This work has been conducted and not limited to the following standards and requirements CFR's, SOLAS, IMO, NFPA, ABS ABYC, USCG and CE as well as intelligent and safe conditions, for passengers, as well as crew.