

UKMCS - Marine Engineering and Technology - Collections Mapping

MILESTONE DEVELOPMENTS IN MARINE ENGINEERING	ARTEFACT	DATE	SIGNIFICANCE	ORGANISATION
Side-lever steam engine & paddle wheel	Symington's Marine Engine	1788	World's oldest marine engine used to power the <i>Charlotte Dundas</i> (1801)	NMSI
	Comet Engine	1812	Comet was the first passenger vessel in Europe	NMSI
	<i>Waverley</i>	1947	Preserved vessel, the world's last preserved sea-going vessel which has a side lever engine/paddle arrangement	Paddle Steamer Preservation Society (moored on R. Clyde) NRHV Core Collection
	Side-lever steam engine	1807	Very early example of side-lever engine	Glasgow Museums
	Side-lever steam engine	1901		NMM
Oscillating steam engine & paddle wheel	Funnel of <i>SS Great Eastern</i>	1858	<i>SS Great Eastern</i> -significantly larger vessel employing both paddle and screw prop	SS Great Britian Trust
Compound Steam Engine	Thornycroft compound steam engine	1885		NMM
	Compound steam engine	1901		NMM (on loan to Markham Grange Steam Engine Museum)
	<i>Daniel Adamson</i>	1903	Preserved vessel-steam tug tender	Laid up Bramley Moore Dock, Liverpool (NRHV Designated Collection)
Screw Propellor	Propellor of <i>HMS Rattler</i>	1843	<i>HMS Rattler</i> was significantly trialled by the Admiralty as a propellor powered ship, versus the paddle ship <i>HMS Alecto</i>	SS Great Britian Trust
	<i>SS Great Britian</i>	1845	Preserved vessel-world's first iron hulled, steam powered/screw prop driven, ocean going ship	SS Great Britian Trust
	Propellor of <i>SS Vesta</i>	1858	Propellor of <i>SS Vesta</i>	National Museums Liverpool
	<i>Mayflower</i>	1861	Steam Tug with cast iron propellor and bolted on blades	Bristol Museums (NRHV Core Collection)
	Propellor of <i>SS Lusitania</i>	1906	Propellor of <i>SS Lusitania</i>	National Museums Liverpool
Triple Expansion Engine	<i>Otto</i>	1896	Preserved vessel with triple expansion engine	Windermere Steamboat Centre
	Triple Expansion Engine	1906		NMSI
	Triple Expansion Engine	1927		NMM
	Triple Expansion Engine	1944	Triple expansion engine of an ex-naval water carrier	Chatham Historic Dockyard Trust
	Triple Expansion Engine	1948		NMM (on loan to Markham Grange Steam Engine Museum)
Armour plating	<i>HMS Warrior</i>	1860	Preserved vessel-first use of composite iron hull and armour plating	Warrior Preservation Trust Ltd (NRHV Core Collection)
Steam Turbine	Parson's Turbine	1894	The world's first marine turbine	NMSI
	<i>Turbinia</i>	1894	Preserved vessel-steam launch for trialing Parson's turbine	Tyne & Wear Museums (NRHV Core Collection)
	<i>HMS Caroline</i>	1914	Preserved vessel with steam turbine	Alexandra Dock, Belfast (NRVH Core Collection)
	<i>Manxman</i>	1904	Preserved vessel with steam turbine	Manxman steamship company (NRVH Designated vessel)
	<i>HMS Belfast</i>	1938	Preserved vessel with a set of steam turbines	IWM (NRHV Core Collection)
	<i>HMS Cavalier</i>	1944	Preserved vessel with a set of steam turbines, driven by 2 sets of admiralty 3 drum boilers	Chatham Historic Dockyard Trust (NRHV Designated vessel)
	Steam turbine from Whitby class frigate	1950s	Marine turbine & other parts of a propulsion system of an ex-naval whitby class frigate	Chatham Historic Dockyard Trust
	<i>HMS Plymouth</i>	1959	Preserved vessel with steam turbine	Historic Warships at Birkenhead

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Outboard Engines	Outboard Engines (various)	Unknown		NMM Cornwall
	Outboard Engines (various)	Unknown		Motorboat Museum, Basildon
Diesel Low Speed Engines	<i>Worcester</i>	1912	Preserved vessel-diesel powered tunnel tug	The Boat Museum, Ellesmere Port
	<i>Calshott</i>	1930	Preserved vessel-diesel powered ex-Galway Bay tender tug	Laid up Southampton, (NRHV Core Collection)
	<i>Kennet</i>	1931	Preserved vessel-diesel powered inland waterways tug	National Waterways Museum
	Paxman-Ricardo Diesel Engine	1938		NMM
	Paxman-Ricardo Diesel Engine	1940s	Ex-landing craft	Chatham Historic Dockyard Trust
	<i>Wincham</i>	1948	Preserved vessel-diesel powered steam steel barge	National Museums Liverpool (NRVH Designated Vessel)
	<i>Edmund Gardner</i>	1953	Preserved vessel-diesel powered Liverpool pilot cutter	National Museums Liverpool (NRVH Core Collection)
Controlled superheated oil fired boilers	Y100 Boiler	1950s	Part of the propulsion system of an ex-naval whitby class frigate	Chatham Historic Dockyard Trust
Grafton Boilers	Section of a Grafton Boiler	Unknown		Scottish Maritime Museum
Diesel High Speed Engines	HM Submarine <i>Ocelot</i>	1962	Preseved vessel with full set of diesel engines	Chatham Historic Dockyard Trust
	HM Submarine <i>Onyx</i>	1966	Preseved vessel with full set of diesel engines	Historic Warships at Birkenhead
Oil fired engines	Doxford 58JS4 Engine	1970s	Only known museum example of this engine	Tyne & Wear Museums
Deltic Diesel Engines	Deltic diesel engine	1929	Supercharged Lion VII aero deltic diesel engine	NMM
	HMS <i>Bronnington</i>	1954	Preserved vessel with deltic diesel engines	Historic Warships at Birkenhead
Gas Turbine	Marine Gas turbine	1947	First marine gas turbine	NMSI
	Marine Gas turbine	Unknown	Proteous marine gas turbine	Internal Fire Museum of Power, Bristol
	Marine Gas turbines (various)	Unknown	A variety of gas turbines used in training	HMS Sultan training school, Gosport
	Marine Gas turbine	Unknown	Unrestored gas turbine	HMS Caledonia training school, Rosyth
Nuclear Heated Steam Turbine	HMS <i>Courageous</i>	1970	Preserved vessel with nuclear heated steam turbine	Courageous Society, Plymouth
Hovercraft	Hovercrafts SRN4, SRN6, BHN7 & Special Vehicles SRN5 & 6's	1970s onwards	Hovercrafts all manufactured by "The British Hovercraft Corporation" & special vehicles by the Interservice Hovercraft	Hovercraft Museum, Gosport
	SRN1 Hovercraft	1970s		NMSI