

NORWEGIAN M.T.B's VISIT TO PORTSMOUTH

Making its first visit to Britain after taking part in the NATO exercise "NO DAME" is the 22nd Squadron of the Royal Norwegian Navy, which consists of four high speed NASTY-class motor torpedo boats. The Squadron is under the command of Captain B. Eia, R.No.N.

Fast, yet capable of carrying formidable armament, light in weight yet seaworthy and having great manoeuvrability at high speed, these inexpensive small warships were designed, and a prototype built, as a private venture by Boatservices Ltd., of Oslo. They are capable of a speed in excess of 45 knots.

The boats are built of double mahogany planking on laminated ash frames, with lugs and brackets of sea water-resistant aluminium, a construction which combines light weight with strength and durability. The deck is covered with glass fibre re-inforced plastics.

Armament includes four 21" torpedoes in forward launching tubes, one 40 mm Bofors gun and one 20 mm Oerlikon gun. The total complement is eighteen.

Each boat is propelled by 3100 h.p. Napier Deltic Diesels, engines originally developed for the Admiralty. They are compact, have a high power to weight ratio, and are simple to maintain and operate. In this installation, the engines are remotely controlled from the bridge. Also worthy of note is their ease of starting in cold weather conditions. Even in far northern latitudes no pre-warming arrangements are needed - a major factor in Deltics being chosen for these boats.

The last boat of the first twelve to be ordered by the Royal Norwegian Navy is being engined this month (June) and a further eight will be completed by early 1964. Two boats have also been supplied to the West Federal German Navy.

They have been put forward as suitable for adoption as the standard unit for NATO. During this visit to Britain, NATO and Commonwealth naval representatives will be given demonstrations of their exceptional

capabilities.

The names of the four boats visiting Portsmouth are Tjeld (Oyster Catcher), Skarv (Cormorant), Gribb (Vulture) and Teist (Black Guillemot),

Boat Details

They are capable of a maximum speed in excess of 45 knots. The maximum continuous speed is 40 knots and the cruising range with 10 tons of fuel is 450 miles at this speed, or 600 miles at 25 knots. The principal characteristics of the boat are:-

Length overall	24.50 m - 80ft. 4in.
Length b.p.	23.00 m - 75ft. 5in.
Beam max.	7.50 m - 24ft. 7in.
Draught to bottom of keel at 69 tons	1.10 m - 3ft. 7in.
Displacement light condition	63.8 tons
Displacement full load	74.4 tons
Operational displacement	69.1 tons

Machinery

Each of the two 18 cylinder Napier Deltic engines installed has a maximum rating of 3,140 metric h.p. at 2,100 r.p.m. and a continuous rating of 2,430 metric h.p. at 1,800 r.p.m. Engines are fitted with integral reverse reduction gearboxes, the outputs from which drive the twin propellor shafts through 180° Vee-drive gearboxes at 1131 r.p.m. at the maximum condition.

The Deltics are self contained power units, each engine being fitted with its own fuel pump, lubricating oil pump, and fresh and salt water pumps.

14th June, 1962.