

## Aquadrive Axles Give Navy Smooth Ride

After installing the Aquadrive, U.S. Navy high speed patrol boats enjoy improved performance with CV joints on boats originally built with universal joints, personnel reported a smoother ride with less vibration and reduced noise. The CV axles were then installed on 25 new 34-ft. U.S. Navy water jet boats designed and built by Sea Ark Marine. They are part of the U.S. Navy Seals' worldwide rapid deployment program.

Aquadrive products reduce vibration and noise levels. The rolling action of internal balls in the plunging CV joints permits the engine to float freely and move in every direction. Only Aquadrive CV joints operate smoothly with different angles at each end, permitting use of softer, "shock absorbing" engine mounts.

Aquadrive CV joints are designed to permit greater design flexibility because engine position does not need to be precisely aligned with the driveshaft. As a result, machinery placement and vessel

performance can be improved.

The Aquadrive Anti-Vibration System has been proven to improve engine positioning and alignment while reducing vibration and noise. A quieter vessel

cannot be easily heard until it is closer.

Aquadrive products, application engineering and service are provided by the Marine Transmission Center division of Mack Boring and Parts Company.



Photo: SeaArk Marine