

## APPLICATION PROFILE

Vessel: 36 Gozzard sloop

Builder: Gozzard Marine, Ontario

Boat yard: Sailing Associates, Georgetown, MD

Power: Yanmar 3JH diesel engine

Engine offset solution: 22" Aquadrive CV tubular shaft

Vibration control: Aquadrive CV thrust bearings



When it came time to repower this Gozzard 36, Sailing Associates in Georgetown, MD recommended a Yanmar 3JH for its advanced design, durability and extensive dealer service network. One issue with the Gozzard, though, was that the top of the motor would extend above the floor on the main cabin. The customer agreed with Sailing Associates that Yanmar was clearly the best choice, so the dealer worked on a solution. They preferred to avoid raising the whole main cabin floor, or building a box around the engine, or installing an alternate brand engine, so they consulted with Yanmar distributor Mack Boring & Parts Co.

The marine propulsion experts at Mack Boring designed a solution that preserved the structural integrity of the boat. Taking advantage of ample space behind the engine, a long Aquadrive CV axle was used to lower the engine 1-3/4" below the height of the propeller shaft. While an engine and drive shaft are ordinarily installed perfectly aligned with each other, Aquadrive CV joints permit the shaft and the engine to have a parallel offset or an angular variance in any direction.

Aquadrive systems are also commonly chosen by boat builders and service dealers to absorb engine vibration, providing a smoother, quieter running boat.

