Abstract

Embodiments of the invention provide a paddle assembly for endurance testing and method for installing a paddle assembly for conducting an endurance test. The paddle assembly comprises a drill collar, a lower stopper disposed at a lower portion of the drill collar, a sleeve for receiving the drill collar; and a plurality of fin pairs, each fin pair including an upper fin, a lower fin, and a connecting member pivotably coupling a first end of the upper fin and a first end of the lower fin, wherein a second end of the upper fin is pivotably coupled to the sleeve and a second end of the lower fin is pivotably coupled to the lower stopper, wherein the sleeve is configured to be selectably lifted to diverge each fin pair to a compact configuration and selectably released to converge each fin pair to an expanded configuration.

(Figure 2)