ABSTRACT

Now many increase about tools for flens release to shaft propeller method by hit and warmness with welding type OAW (Oxygen Acetylene welding). But this method is felt less effective and to bring about danger which enclose by damage flens itself and also crooked will happen to propeller shaft. Based on this problem above plans for flens release to shaft using tracker system and this form stimulus is hydraulic jack.

This release tools consist of handlebar pullers and holder which use steel rod cold definis S55C-D and hydraulic jack with capacity 2Ton (20kN). Flens which can release by using this maximum diameters tool 350 mm and having surface pressure on the conical peg shaft surface at 2990,61 N/m².

From the result above get the diameter flens 350 mm and having surface pressure on the conical peg shaft surface at 2990,61 N/m² can more easy release than using hit method by a big hammer.

Key note : Flens, Hydraulic jack, Tracker.