




RESETTING THE STANDARD FOR OPENHOLE CASING RECOVERY

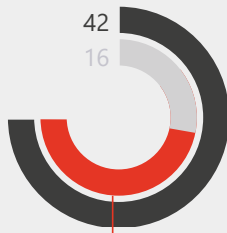


The TITAN® System - repeatable on demand casing cutting and jacking capability in a single trip

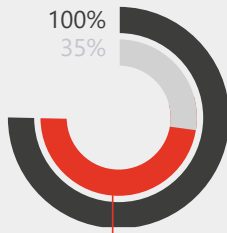
Industry Standard 
 Ardyne Operation 
 Customer Savings 



5
TRIPS SAVED



26
HOURS SAVED



65%
EFFICIENCY GAIN

TITAN SYSTEM

The TITAN System unifies casing cutting and recovery with a downhole hydraulic power tool, in a single trip operation.

The downhole adaptability of the TITAN System ensures and maximises the recoverable casing by utilizing the pulling capacity of the hydraulic power tool with added repeatable casing cutting capability in a single trip.

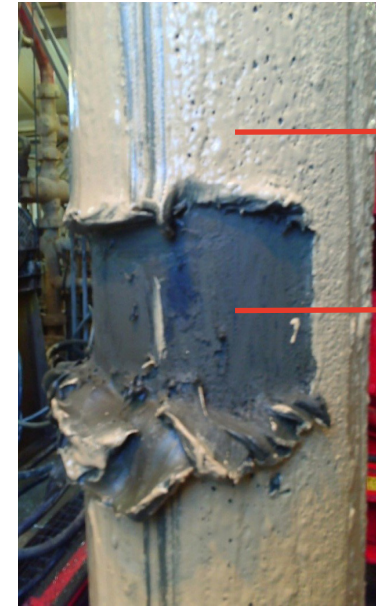
THE OPERATION

The TITAN System was deployed on a semi-submersible rig in the North Sea for casing recovery operation where the operator required 400ft of 9 5/8" casing to be pulled from the openhole. Having the TITAN System deployed means immediate action can be taken when conventional methods are ineffective.

THE SOLUTION

The TITAN System not only maximises recoverable casing, it reduces tripping distance, BHA handling and overall trips; saving hours from your operation, improving safety and reducing costs. The TITAN System gives **total flexibility on sequencing of repeated jacking and cutting operations** in a single trip as it is not reliant on single-use ball drop activation or pipe manipulation. The TITAN System's capabilities are available **on-demand** with the tension-activated ALO-Valve, and mechanical of flow activated TYPHOON® Spear enabling **multiple cutting and jacking in a single trip**.

SETTLED SOLIDS
ENCOMPASSING
RECOVERED CASING



SETTLED
SOLIDS

RECOVERED
CASING



[Read more about the TITAN System](#)

TITAN System	DownHole Power Tool	ALO-Valve	TYPHOON Spear	PDM	Casing Cutter	Taper Mill
						
RUNS	700+	150+	100+	Industry Standard	Industry Standard	Industry Standard

DOWNHOLE ADAPTABILITY IN ONE SOLUTION

Saving hours from your operation, improving safety and reducing costs



Industry Standard 
 Ardyne Operation 
 Customer Savings 