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F1.B4

Truck Mounted Wireline Unit

This Wireline unit is a self contained removable wireline container mounted on the rugged truck with a heavy duty 6x4 chassis. This container is fitted with ISO corner fittings to secure to the chassis and lifting for positioning on the well site or removal from the truck. This unit can be configured with a single drum or double drum winch with all range of slickline wire sizes and also can be fitted with mono-conductor cable for cased-hole logging services. This unit has an integrated power pack and also has a PTO driven hydraulic system for emergency situation. The control room of unit can be designed with full PLC-Based electronic control panel on a heavy duty ergonomic captain chair or classic electro-hydraulic control panel.

Dimensions & Weights

Container (Without Truck, roof mounted objects & Winch):
[L] 6.06 m [W] 2.44 m [H] 2.55 m [Weight] 9500 kg

Hydraulic Drive System

* Powerful 400 bar (5800 psi) closed loop hydraulic system
* Variable displacement hydraulic pump and hydraulic motor
* Hydraulic reservoir: 280 lit
* Hydraulic dynamic braking
* Low maintenance system

Winch System

* Default: Chain Drive Double Drum
* First drum: 25000 ft of 7/32” mono-conductor
* Second drum (Split): 25000 ft of 0.108” & 25000 ft of 0.125” wire
* Electro-pneumatic band brake system
* 4 Speed Hydrostatic transmission

Logging Operation (CH)

Based on 25000 ft 7/32” cable and tool weight 350 lbs:
* Max. Line Speed at Core: 499 ft/min
* Max. Line Speed at OD: 1367 ft/min
* Max. Line Pull at Core: 10615 lbs
* Max. Line Pull at OD: 6195 lbs

Slickline Operation

Based on 25000 ft 0.125” wire and tool weight 150 lbs:
* Max. Line Speed at Core: 937 ft/min
* Max. Line Speed at OD: 1330 ft/min
* Max. Line Pull at Core: 10189 lbs
* Max. Line Pull at OD: 6725 lbs

Power Pack Features

* Diesel Engine: four cylinders diesel engine providing 129 kW @ 2100 rpm
* Starter System: Electric
* Electrical System: 24V DC & 220V AC 50Hz
* Diesel reservoir: 350 lit
* Engine controls: Electronic throttle control from control room
* Hydraulic driven AC Generator 25 kW
* Hydraulic Driven Air Compressor

Classic Control panel

* Hydraulic pressure gauges
* Hydraulic oil temperature gauge
* Engine control panel
* Generator control panel
* Line tension value
* Brake lever / switch
* Touch screen Hoisting Panel
* Back-up depth panel
* Winch direction and speed control valve
* Spooler & Re-spooler control

Features & Benefits

* Roof mounted air conditioners
* BOP control package
* Re-spooler system
* Emergency PTO driven hydraulic system

Options

* Rig-Safe / Zone II configured
* Heavy duty Captain Chair
* PLC based control system
* PTZ Camera

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