



**12" x 10" DIESEL SWINGING LADDER
DREDGE "CAPT. JOE"
Available for Immediate Delivery**

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Dredge Capt. Joe
O/N 1180988
12” x 10” SWINGING LADDER DREDGE

General

Ladder Length	24'
Overall Length (With Ladder)	61'-4"
Overall Width (With Side Tanks)	18'-6"
Hull Depth	4'-0"
Height-Overall	12'
Mean Draft(With Fuel)	28"
Spud Length (Each)	30'
Spud Weight (Each)	1,950#
Total Dredge Dry Weight - Est.	82,100#

Operating Conditions

Digging Depth	
Minimum	3'
Maximum	18'
Maximum Cut Of Dredge (Single Cut)	
@ Minimum Digging Depth (Swinging Ladder)	24'
@ Maximum Digging Depth (Swinging Ladder)	15'-6"
Swing @ Minimum Digging Depth (Conventional)	79'
Swing @ Maximum Digging Depth (Conventional)	67'

Prime Mover

Engine Hours Since Rebuild	0
Engine Make:	Caterpillar
Engine Model:	C15
Maximum H.P.:	475 H.P. @ 2,100 R.P.M.

Cutter Module

Cutter Gear (S/N 990754)	RR 1000DF
Cutting Force	6,070 lb
Operating Torque	85,000 In/lb

Cutting Force Per Linear Inch	303 Lb./In.
Cutter Diameter	34"
Shaft Diameter	3"
Cutter Rating	45 H.P.
Cutter Speed Variable	0-33 R.P.M.

Reduction Gear

Gear Make	Twin Disc
Gear Ratio	2.54:1.00
Gear Model	MG 5111
Serial Number:	5GD167

Swing Winches

Pullmaster	H8
	H8
Line Pull	8,500 Lb.
Line Speed (1st Layer)	58 Ft/Min
Wire Size	9/16"
Drum Capacity	150'

Ladder Hoist Cylinder

Extending Force	19,500 Lb.
Retracting Force	41,000 Lb.
Lowering Speed	17 Ft./Min.
Hoisting Speed	20 Ft./Min.

Dredge Pump

Pearce Foundaries	
Pump Hours Since Rebuild	0
Suction	12"
Discharge	10"
Impeller Diameter	32"
Maximum Particle Clearance	5"
Material - Ni-Hard #4 Wear Parts	

Hydraulic Pump

Commercial Shearing	3 Stage
Model#:	P51B578BYOL15-11SNAB-10-1

Cutter Hydraulic Motor

M51A878BEOF20-7

Service Water Pump

Peerless Model# 121020APBF

Spud Hoist Winches

Pullmaster	Model PL5
Line Pull	2,200 Lb.
Line Speed (1st Layer)	100 Ft/Min
Wire Size	1/2"
Drum Capacity	50'

Electrical System

Battery	24 VDC
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Capacities

Fuel	750 Gal
Hydraulic	200 Gal

Standard Features

Operator's Chair
Fire Extinguisher - (2) 10 Pound A-B-C
Lighted Ring Buoy
Handrail And Kick Rails
Guards
Early Warning Alarm System And Engine Shutdown System
Cabin Lights
Bilge Pump - Electric
Replaceable Edge Cutter
Dredge Pump Priming System
Dredge Wash Down System
Hi-Capacity Service Pump
Hydraulic Pump/Engine Clutch Disconnect
Pump/Engine Reduction Gear (No Belts Required)
Paint
 Hull: Coal Tar Epoxy Paint
 Superstructure & Structural: Primer and Top Coat
Stern Pulling Eyes
Hydraulic Filters Hycon 6”
Dredge Pump Coupling Omega E100
Hydraulic Pump Coupling Omega E60