

SWABMASTER



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ANATOMY OF A MORE POWERFUL, MORE RELIABLE SWAB RIG.

The most exciting wells in North American shale just may be the ones that are already drilled. When you increase or restore their productivity, it's like found money. Nothing brings old wells back to life faster and more efficiently than a smart swabbing program. And there's no smarter or more economical way to swab than the Swab Master Rig by Tiger General.

Here's why.

Direct Hydraulic Drive Is Smarter Than Chain Reduction Drive. Most rig manufacturers use 1920 designs with chain and sprocket drives. Very Inefficient.



Only Swab Master Machines are Direct Driven With one huge SAI Hydraulic Motor, It delivers over 17,000 Foot Pounds of Torque to your winch drum. Fast with Big Power. To put this in perspective, Big truck engines only deliver about 2,000 Foot Pounds of Torque.

Others claim hydraulic drive. But have a tiny hydraulic Motor geared down with chain reduction. Old fashioned idea pretending to be modern.

Smart Hydraulic Power From The Truck Engine.

Most old-fashioned rig builders drive their winch drum with an expensive Deck engine.



What a waste of energy. Example; When you have 100 Hp into clutch, a transmission Then to a chain and sprocket reduction to drive a winch drum. You only get about 75 Hp at the drum.

Swab Master Hydrostatic Drive Delivers at least 95% Horsepower and torque to the winch drum. Plus you get infinitely variable speeds from dead slow to Super Fast speeds. You have Full torque, at any speed.

Swab Master Machines are direct driven from the front of the truck engine, with Two Sunstrand H-1 Hydraulic Pumps. Why have two engines? The pumps are variable displacement. Which means your Swab Master Machine Winch drum has infinitely variable speeds. Easily.

Smart Spooling Saves You Manpower Dollars

Swab Master Machines come Standard with a Tiger General Automatic Spooling Device. You don't need an extra man to spool.



It has an anti-splash Aluminum cover with UHMW skid bearings. Only Swab Master Machines Use a special tougher spooling bushing made of CD 958 Aluminum Bronze. We added a Built in Drip Oiler system for longer life

Taller. Faster. Stronger.

Swab Master Machines have a 55-Foot-high telescopic mast. Base section 8" square tube. Inner mast, 7"x 7" x 3/8" wall. Covered Crown sheave assembly The 20" crown sheave has two spherical double roller bearings. Rated at 50,000# each static rating. Your mast telescopes by a 4" hydraulic cylinder with 2 1/2" Chrome shaft.



The mast not only Telescopes, it can give you about 37,000 Pounds of extra pull on the cable -in case you get stuck in the well. Simply telescopic down the mast. Wind up the cable to near tight. Then push up with the hydraulic cylinder. Be Careful. Lots of force that might cause other issues.

Your Winch Master drum is built to Prevent middle age spread. Super Strong 1 1/8" thick flanges with 10 massive end gussets The Center Barrel is 10" OD X 1" wall tubing that slides through the end flanges welded to end of tube. The big spline drive shaft is bolted to winch barrel for easy Servicing. The winch drum runs on two Massive Timken double spherical roller bearings.



The winch drum frame is a 3/8" thick steel reinforced box section with 4 X 4 Square tubing top rails attached to 3/4" thick end plates. The hydraulic motor Mount is Jig aligned perfectly to winch drum with 4 urethane cushion bolted Mounts. All is bolted directly to the body and Truck frame.



Swab Body

Jig level built to make sure body, winch frame, swing frame and mast all are square and in perfect alignment for level wind spooling. 5" channel main frame with 3" channel Crossmembers. 3/16" Diamond plate decking. Reinforced headboard to attached Mast guy lines and take the stress.



Only Swab Master Machines incorporate Two Post Stabilizers that allow easy access To the hydraulic cylinders. Others hide the cylinder inside a tube. To get the cylinder out for repairs usually you need a crane to lift the truck up high enough to get the cylinder out,...



The body. is sandblasted, primed with zinc powder Into the two-stage primer. This is like a galvanized coating. Next another Two Stage Epoxy Primer is sprayed over the zinc primer. Then 3 coats of Hi solids PPG premium urethane Paint. In the Final coat we add in Clear Urethane to deliver an extra bright shinny paint job. This is the most durable paint system Anywhere today. The mast gets the same top-quality paint job too.

International HV truck chassis

We use the International HV truck chassis because International offers Worldwide parts and service. Tiger General knows how to spec your truck For longest life. Not the cheap skimpy specs others offer.



You get the Cummins 370 Hp L-9 engine. A sleeved engine, with Allison auto transmission to be safer easier operating.

You get 40,000-pound tandem drive axles with Full Locking differentials to make sure you get in and out of locations. EmGuard Synthetic lubes the axles. We spec polished aluminum Wheels for long life without rust. Air ride suspension with air dump. Delivers Great Ride and Won't beat up your truck.



- Air ride driver and Passenger seats with arm rests
- Air ride cab
- Air Conditioning, AM FM radio with blue tooth for phone and music
- Power windows, Heated and Power mirrors.
- Tilt and Telescopic steering wheel
- Outside cab stainless sun shield
- Keyless entry

The 7/16" single frame is super strong, Others spec the old way of double frame That will rust out between two frames. Our trucks are spec'd for the long run.



We convert the crew cab into an efficient operators' cabin. Good vision. Windshield wiper with washer too. Comfortable contoured 6-way power seat.

You get Tiger Vision; Tiger Vision is a Tiger General, LLC Patented Proprietary hardware/software data acquisition and monitoring system built on Microsoft Windows 7 platform. It utilizes a standard solid-state touch screen computer to record, save, and display on screen incoming Swab Master and engine electronic data. The data is displayed using sweeping [analog/digital color-coded gauges for the operator to monitor in real time truck engine and rig operating systems.

We have a passion to build Well Engineered Premium Quality Swab rigs. Ask around. Tiger General Products are Field Proven to Work Hard and live a Long Productive life. They are backed up With Rock Solid After Sale Support.

Here's why Tiger General Delivers your Best Value. We use all Premium components, in Hydraulics, Steel, We have a passion to build Well Engineered Premium Quality Swab rigs. Ask around. Tiger General Products are Field Proven to Work Hard and live a Long Productive life. They are backed up With Rock Solid After Sale Support. The bottom line is Swab Master Machines Deliver your Best Value. If you are a Producer or a Contractor Swab Master Machines will bring all those old loaded Up wells Roaring back to near full production is about a day. Invest with the Proven Leader in swab machines

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