Weatherford®

Hydraulic Power Skids

Drilling

Evaluation

Completion

Production

Intervention

Artificial-lift systems

- **Capillary technologies**
- **COROD® continuous rod**
- **Electric submersible pumping systems**
- **Gas lift**
- **Hydraulic lift**
- **Plunger lift**
- **Prime movers**
  - Combustion engines
  - Electric generation packages
  - Electric motors
- **Progressing cavity pumping**
- **Reciprocating rod lift**
- **Sucker rods**
- **Surface pumping units**

Dependable power solutions

For reliable and efficient sources of hydraulic power, turn to Weatherford's lineup of hydraulic power skids. Available in multiple packages and configurations, our power skids can satisfy all of your wellsite requirements.

Hydraulic Power Skids – *Power* by Design

Power in Performance

Weatherford's hydraulic power skids are designed for adverse situations when commercial power is unavailable, serving as the most fundamental component for all types of hydraulic-based artificial-lift and optimization systems.

Hydraulic systems are a proven and widely used technology, serving as the backbone for many different industries and applications. Because of this broad familiarity, equipment operators can be relaxed and secure when using our hydraulic power skids. Its simple, streamlined design ensures minimal production costs with optimal reliability, and because simple switches and gauges are used to operate the equipment, no advanced training is necessary. To protect the surrounding environment, skid bases feature seal pans that contain spills and leaks.

Weatherford provides a full range of hydraulic power skids suited for any capacity. Available in single, tandem and hybrid designs, our engines can be configured in multiple combinations to meet the level of service that you require.

Weatherford's in-house engineering and design teams can also customize any package to meet your specific design requirements and hydraulic power demands.

Breadth in application

Weatherford's hydraulic power skids are designed to provide the hydraulic power supply needs for all types of progressing cavity pumping and reciprocating rod pumping systems.

In addition, we provide a series of rental options. Our rental fleet units are geared for use in general oilfield applications and are readily available with the options you need to ensure maximum performance.

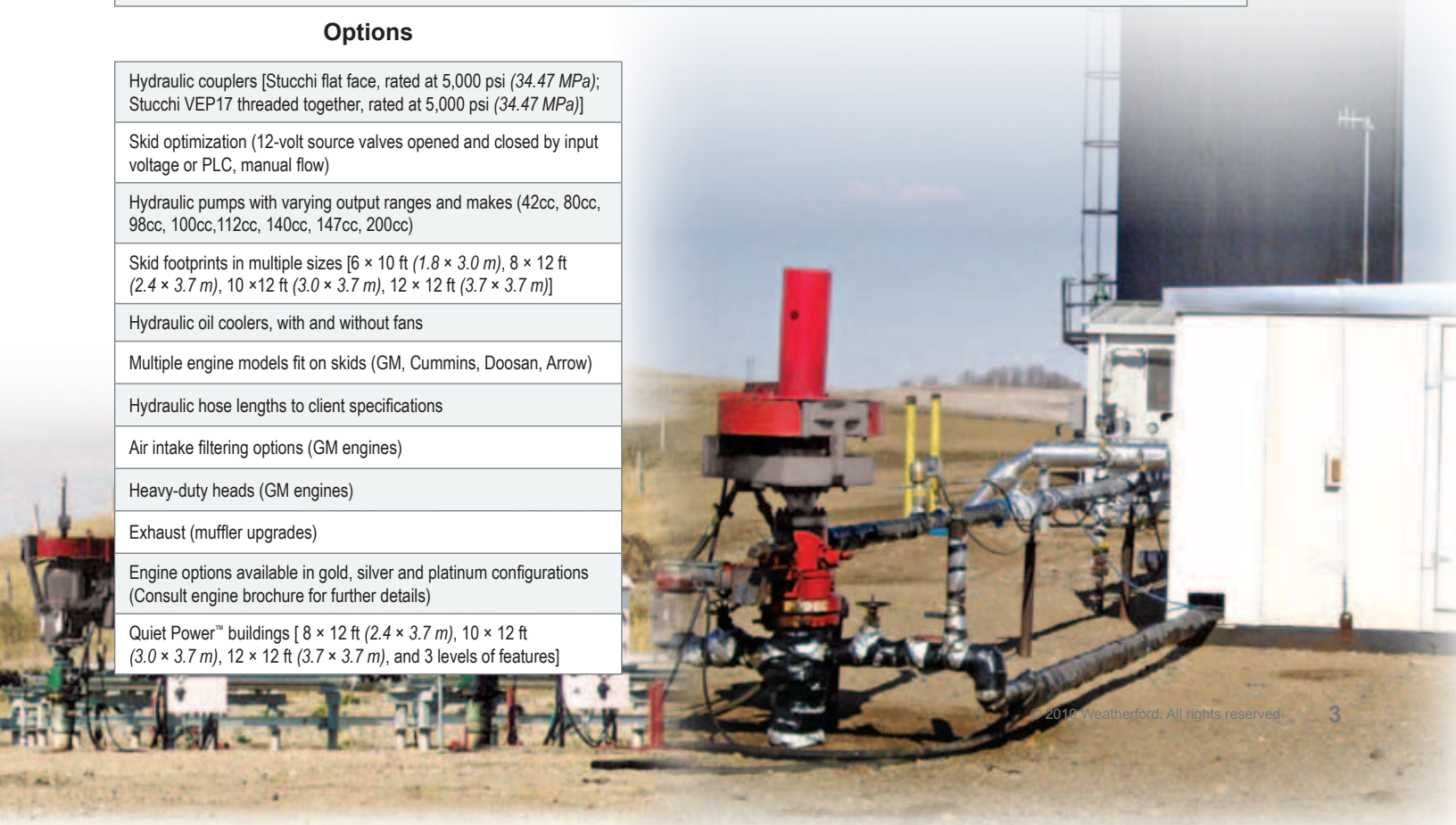
For industrial applications, our hydraulic power skids can be customized to meet your specific hydraulic needs. Contact a Weatherford representative to find the right unit.

Packages and Options

Package A	Package B	Package C	Tandem	Hybrid
5 × 7 containment skid	5 × 8 containment skid			
Kawasaki 80cc hydraulic pump [38 GPM *(144 L/min)*, rated for 4,000 psi *(27.58 MPa)* operating pressure]		Vickers PVH-98 hydraulic pump [45 GPM *(170 L/min)* rated for 3,600 psi *(24.82 MPa)* operating pressure]	Tandem Kawasaki 80cc hydraulic pump [38 GPM *(144 L/min)*, rated for 4,000 psi *(27.58 MPa)* operating pressure]	Single Kawasaki 80cc hydraulic pump [38 GPM *(144 L/min)*, rated for 4,000 psi *(27.58 MPa)* operating pressure]
69/95 gal *(260/360 L)* hydraulic tank			106/132 gal *(400/500 L)* hydraulic tank	69/95 gal *(260/300 L)* hydraulic tank
1 in. × 80 ft *(2.5 cm × 24.4 m)*, 4,000 psi *(27.58 MPa)* pressure and return hose				
1/2 in. × 30 ft *(1.27 cm × 9.1 m)*, 2,500 psi *(17.23 MPa)* case-drain hoses				
Dual external filter head with restriction indicator				
12-volt AGM battery and locking battery box				
Tank low-level shutdown gauge				
FD-45 quick couplers [rated for 4,000 psi *(27.58 MPa)* operating pressure]				
Adjustable hydraulic oil temperature shutdown [preset at 176°F *(80°C)*]				
MG 46 hydraulic oil				

Options

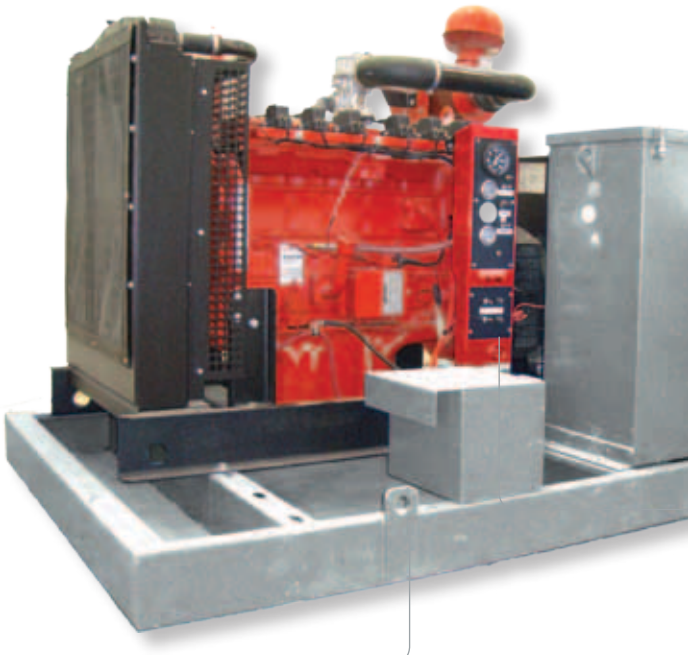
Hydraulic couplers [Stucchi flat face, rated at 5,000 psi *(34.47 MPa)*; Stucchi VEP17 threaded together, rated at 5,000 psi *(34.47 MPa)*]
Skid optimization (12-volt source valves opened and closed by input voltage or PLC, manual flow)
Hydraulic pumps with varying output ranges and makes (42cc, 80cc, 98cc, 100cc,112cc, 140cc, 147cc, 200cc)
Skid footprints in multiple sizes [6 × 10 ft *(1.8 × 3.0 m)*, 8 × 12 ft *(2.4 × 3.7 m)*, 10 ×12 ft *(3.0 × 3.7 m)*, 12 × 12 ft *(3.7 × 3.7 m)*]
Hydraulic oil coolers, with and without fans
Multiple engine models fit on skids (GM, Cummins, Doosan, Arrow)
Hydraulic hose lengths to client specifications
Air intake filtering options (GM engines)
Heavy-duty heads (GM engines)
Exhaust (muffler upgrades)
Engine options available in gold, silver and platinum configurations (Consult engine brochure for further details)
Quiet Power™ buildings [8 × 12 ft *(2.4 × 3.7 m)*, 10 × 12 ft *(3.0 × 3.7 m)*, 12 × 12 ft *(3.7 × 3.7 m)*, and 3 levels of features]

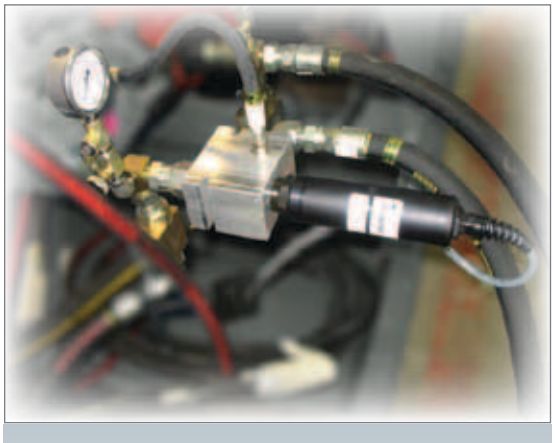


Hydraulic Power Skids – *Performance* by Design

Features, Advantages and Benefits

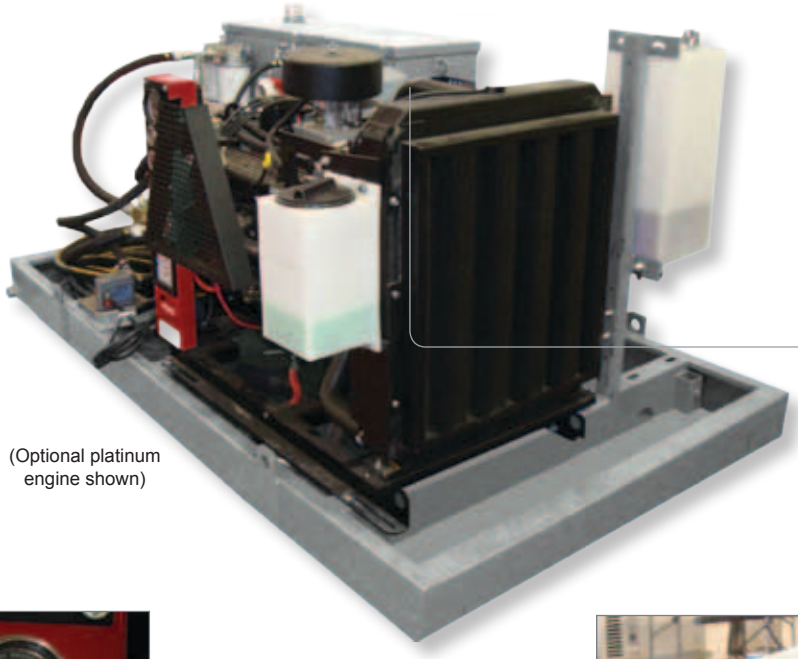
- **The hydraulic power skid** is designed for continuous operation, maximizing engine life and reducing maintenance costs. It is also highly versatile and easy to set up.
- **The hydraulic oil tank** enables retention time to manage or handle air entrapment and heat dissipation issues. It includes a dual-head filter system that enables increased filtration, and a built-in shutdown mechanism that protects the hydraulic system from potential damage caused by overheating.
- **Fit-for-purpose engine controls and gauges** cater the system to your specific needs, lowering costs while improving ease of operation and training.





The hydraulic flow-control system (optional) is a proportional controller that automatically regulates hydraulic flow to the surface drive motor, eliminating the need for manual adjustments (load sensing pump is required).

The engineered lifting lug ensures that the unit meets the necessary safety and lifting requirements.

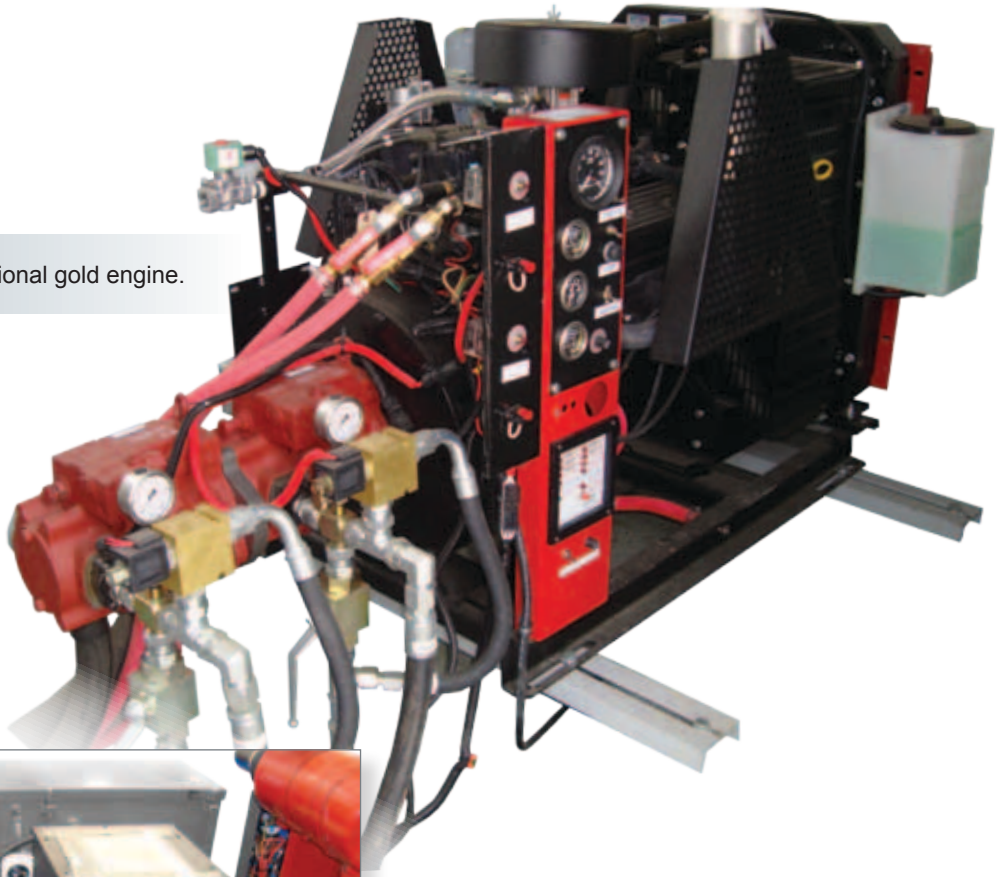


(Optional platinum engine shown)

The ST8 shutdown control panel (optional) aids in troubleshooting the engine and hydraulics during a malfunction.

The Luberfiner filter (standard with GM models) improves the engine oil filtration process and aids in extending oil-change intervals, while also lowering annual maintenance costs.

Hydraulic Power Skids – *Performance* by Design



Tandem unit with optional gold engine.

Hybrid units (hydraulic and electric power generation) are also available.

Weatherford's Quiet Power™ buildings suppress noise and shield hydraulic power skids from harsh weather conditions.

Hydraulic Power Skids

Dependable power solutions

When you need the power to keep your operations running, Weatherford's hydraulic power skids are the solution. For more information, email **als.pcp@weatherford.com** or visit us at **weatherford.com/pcp.**

Weatherford®

weatherford.com

 7162.00