The Servagroup 1000 HP Twin Quintuplex Fluid Pumper is a heavy-duty trailer mounted unit that utilizes two Serva QPA1000 Quintuplex pumps driven by Caterpillar C-18 engines through Caterpillar CX35-P800 transmissions and Eaton AT1202 two speed auxiliary transmissions. All equipment installed and positioned for ease of repairs and maintenance. Both sides of the unit are independent, ambidextrous pumping systems, each with their own hydraulic system including separate hydraulic tanks providing the ability to pump even in the event of component failure or while performing maintenance procedures. The only common components are the process piping, displacement tanks and control cab.

**Specifications**

**Performance Parameters**
- Minimum Ambient Temperature Range: -40°C (-40°F)
- Maximum: 51°C at 152 m (124°F at 500 ft)
- 49°C at 1067 m (121°F at 3,500 ft)
- 46°C at 3048 m (114°F at 10,000 ft)
- Duty Cycle: 4 hours continuous pump time at 100% maximum speed and torque
- Discharge Pumping MAWP: Atmospheric 103,400 kPa (15,000 psi)
- Pumped Fluid Temperature Range: -50°C (-58°F) 70°C (158°F)

**Engines and Transmissions**
- Engine: Caterpillar C-18 rated, 800 BHP @ 2100 RPM
- Transmission: Caterpillar CX35-800

**Quintuplex Pumps**
- Type: Single acting Quintuplex
- Stroke: 6” (152.4 mm)
- Gear Box Ratio: 4.61:1
- Rated Horse Power: 1000 HP
Specifications

**Displacement Tanks**
- Qty (2) Open Top Displacement Tanks
- Working volume of 10 bbl
- Qty (1) Hydraulically Driven Agitator in each tank
- Qty (1) Chemical Injection Port in each tank

**Pressurizer and Loading Centrifugal Pumps**
- Qty (2) 5x6 SERVA Centrifugal Pumps (Pressurizer)
- Qty (2) 5x6 SERVA Centrifugal Pumps (Loading)

**Flowback & Discharge Piping**
- Flowback piping equipped with:
  - Qty (2) 1 x 2 Hydraulically actuated plug valve to control flow back from each pump
  - Combined to qty (1) 2” schedule 80 line back to displacement tanks
  - Air actuated control to select which tank flow is introduced
  - Discharge Iron
  - Qty (1) 2 x 2 Hydraulically actuated plug valves exiting each pump
  - Other discharge options to tie both pumps together available upon request

- Option to replace hydraulically actuated plug valves with manual plug valves available

**Fuel System**
- The unit is to carry a total of 1135L (300 USG) of diesel fuel
- Qty (2) 568L (150 USG) tanks

**Optional Equipment**
- Chemical Transfer Pump
- Chemical Additive System
  - Various chemical tote options available
  - Various chemical additive pump options available
- Winterization Packages
  - Diesel fired or electric Engine Preheater options available
  - Diesel fired or electric reservoir heater options available

Call SERVAgroup today 940-761-3361
1500 Fisher Road • Wichita Falls, TX  76305 • info@SERVAgroup.com

www.servagroup.com