

#### **Specialized Pump Packages**

Warren Cat Engineered Pump Packages can design and manufacture your diesel, gas engine or specialized electric motor driven pump package to your specifications. Some of our typical applications are described below.

### **Water Injection Pump Packages**

Pump material metallurgy is offered for produced salt water as required by the customer specifications or as recommended by the pump manufacturers for corrosion resistance. Reciprocating pumps, centrifugal API 610 pumps or horizontal-downhole centrifugal pumps are available to meet the customer's flow and injection pressure requirements.

## **Pipeline Pump Packages**

These units can be designed with centrifugal API 610 pumps, screw pumps or reciprocating pumps for the transport of crude oil or liquid petroleum products through pipelines. They are complete skid mounted pump packages with large or small engine drivers or custom packaged electric motors. Our engineering team can design the package to meet the customers fuel needs whether they be natural gas, diesel, or crude oil burning engines.

#### **Fire Water Pump Packages**

Pump Systems International offers complete fire pump piping systems, including test loop, bypass, pressure relief line, jockey pump interface and all valves for a complete fire fighting system. We can custom design fire pump packages to requirements of NFPA 20 standards and to your design specifications. We offer both offshore and onshore pump systems, UL/FM approved diesel engine drivers and control panels, plus jockey pumps and accessories.

#### **Other Pumping Applications**

Terminal Loading Pumps
Transfer Pumps
Water Disposal Pumps or De-Watering
Emergency Boiler Feed Pumps
Multiple Pump Modular Skid Mounted Pumping Systems

Any specialized pumping application

# **Engineered Pump Packages**



- Water Injection Pump Package
- Driven by a CAT G3512 rated 945 BHP



- Water Injection Pump Package
- driven by a CAT G3608 natural gas engine, 2000 BHP