



# DRAGON

# Mobile Hot Oil Trucks



## BODY TANK

- 75 BBL capacity tank, 1/4" steel shell and heads, with 2 baffles
- Sump for full bottom suction
- Hydraulically driven load and charge pump



## FLUID HEATER

- 7 Million BTU input, propane fired
- Direct spark ignited pilot with manual control valve
- 2" SCH 40 A106 pipe, heat exchanger core with finned pipe on top 2 layers
- Single pass design, pressure tested to 3000 psi, direct fired
- 4" Ceramic fiber insulation, 2300 DEG rated
  - Insulated top with stainless steel hood



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# Mobile Oil Hot Trucks

## CONTROL SYSTEM:

- Road side mounted control station
- Lower panel with manual controls for truck clutch, transfer case, truck PTO, load/unload pump, charge pump, air pressure gauge, load/unload pressure gauges, main power switch, sight glass wash pump switch
- Upper panel with touch screen display, indicator lights for lower panel controls, user adjustable setting switches, igniter switch, E-Kill switch, trip status lights, throttle adjustment switch, fire system discharge switch
- Heater system controls include; electronic fuel valve, over temperature stop, over core pressure stop, flow switch stop (loss of flow), igniter switch
- Heater system displays include; core inlet/outlet temperature, core inlet/outlet pressure, fuel pressure
- High pressure pump controls include; over pressure trip, barrel rate set up
- High pressure pump displays include; discharge pressure, barrel per minute, barrel totals
- Other displays include; critical engine data, engine trouble codes, charge pump (system) flow meter (rate/total)

## ADDITIONAL ITEMS:

- Spicer 784 auxiliary transmission to drive high pressure pump
- 150 gal hydraulic oil tank with return line filter
- Curb side mounted iron rack, 8 PCS 13' long x 1 1/2" pipe with unions
- Tool boxes, 1 – 36" long driver side @barrel center, 2 – 48" long each side at rear
- Chemical tanks, 2 – 25 gal each @ each side rear
- Rear hose rack
- Hose rack on curb side near charge pump hose storage at rear under tank, 4 – 10' tubes
- Fire extinguishers, 3 – 20lb a/b/c
- Work lights, 6 LED, 4 between heater chamber and front of tank, 2 at rear of tank
- Twin stack ASME propane tank at rear, 480 gal nominal
- LED tail, reverse, and marker lights
- All surfaces primed and painted with high solids urethane paint

## LOAD PUMP:

- 3" Roper, model 5558, hydraulically driven, Bi-Rotational

## CHARGE PUMP:

- 3" X 2" Viking, LV3900, hydraulically driven, variable speed

## HIGH PRESSURE PUMP:

- Gardner Denver, TEE Triplex Pump 3" plungers, 5" stroke
- 80-3 Chain drive, 52/15 sprockets, tensioner bolts on driver side with guard
- 2" Threaded pipe installed for customer installed pressure relief

