

DUAL SKID CHEMICL CLEANING SKID

20 bbls Stainless Steel Tank with heating coil
Transport Dimension L: 20ft x W: 8ft x H: 7ft
Tare Weight 18,500 lbs (8409kg)
Max Pump Rate 1200 gpm (82 psi)
Vertical Travel 1800 mm
316 Stainless Manifold & Piping
4 x3 Mission Magnum Pumps
Insulated Piping work for High Temperatures
Calibrated site tube & flow measuring devices



ELECTRIC STEAM BOILER PACKAGE

Model FB 500 L 1 FULTON

1740 lbs /Hr Steam Generation

Transport Dimension L: 12ft x W: 7ft x H: 8ft



FRAC STORAGE TANKS

Transport Dimension; L: 45ft; H: 8 ft; H: 10ft Max Storage capacity – 21000 gals Lined Internal for mild acids and brines Certified EN12079 lift frame for Offshore & Marine application



HELIUM LEAK DETECTION EQUIPMENT

PHD 4 Model 969-4600 /Model 969 -4640

Varian PHD 4 Portable Helium Detector



NITROGEN UNITS

NOV Hydra Rig -HRSK180NF- Hazardous areas-DNV2.7-3 180K

Detroit Diesel 60 Series Pneumatic Start

Max Flow Rate – 180,000 scfh

Max Operating Pressure – 10,000 psi

Boost Pump Motor – Parker

Boost Hydraulic Pump – Rexroth

Pyroban Spark Arrestor

Nitrogen Pump – Hydra Rig Duncan NP 200 1.625"

Nitrogen Unit #5 is Sound Proof-~ 80 db from side and above ground











Pumping Division

1-5 Princess Margaret Street San Fernando Trinidad & Tobago W.I.

Phone: (868) 652-6512 Fax: (868) 657-1563 TESL provides not just a Nitrogen /Process & Pipeline Service, but an overall N2PPS engineering service. We provide the client pre-job and post-job analysis in an effort to continuously improve our service and results for our customers. Our TTC Chemical Testing Lab design and customize treatment solution to provide the customer with the most suitable formulation details: chemicals concentration and special additives.

We make sure that the customer has the optimum job design analysis before and during job execution to ensure optimum end results . With over 10 years and more Nitrogen & PPS operational experience, TESL has been extremely successful in all applications of N2 PPS Services .

TYPES OF SERVICES

- Nitrogen Pumping
- · Nitrogen Leak Testing
- · Equipment Rental
- · Pipeline Services
- Chemical Cleaning Services
- Front End Engineer & Project Management
- Process Services

Nitrogen Applications

Purging -Catalyst Handling &Change out

Purging -Gas Freeing & LEL reduction

Unloading a well with nitrogen

Nitrogen Helium Leak Testing

Nitrified Acid with coil Tubing

Pipeline Inerting & Packing

Vessel & Process System Drying

Accumulator Charging & Testing

Pipeline Services Application

Pipeline Flooding

Hydro testing

Pipeline Pigging & Guaging

Pipeline Decommissioning

Nitrogen packing

Pipeline Dewatering & Drying

Project Management & Engineering

Chemical Cleaning Services

Citrosol Process

Chemical Injection

Hydrocarbon Removal &Decontamination

Lab Design & Testing Services

Process Services

Ultra High Vessel Washing

Pump & Storage Tank Rental

Vacuum Testing

Lab Design & Testing Services

CHEMICAL CLEANING

- Most common Chemical Cleaning operation performed
 - Waste Heat Boiler
 - Process Exchanger
 - Heat Recovery Generators
 - o Tube Bundles
 - Process Piping

NITROGEN SERVICES

- Most common Nitrogen operation performed
 - Gas freeing LPG Vessel
 - Purging offshore top side production facility
 - Helium Leak testing –onshore and offshore top side
 - Purging for pyrophoric catalyst loading /unloading
 - Membrane purging & Pigging of pipelines



HP TRIPLEX PUMP UNIT

DNV 2.7-1, Zone 2, DD TWS600s SPM FLUID

Detroit Diesel 8v92TA 480 BHP@2100rpm

Transmission - Allison Model HT 750 5 speed

Zone 11 Kit - Pyroban 3GP Lite

SPM Relief Valve

Operating Pressure & Volume - 10,300 psig max, 337US gpm



ORION DATA ACQUISITION SYSTEM

Highly efficient and accurate Data Acquisition system providing real time data

Rugged and compact design specifically for oilfield use

Job data can be downloaded to flash memory cards and can be converted to Microsoft Excel

An Electronic Memory Unit (EMU) provides backup storage in the event of PC failure or as primary storage if you wish to run the system (blind) without a PC

The channels being displayed can be easily changed according to the nature of the job. The display can also be modified to display real time graphs and analog gauge displays