PRODUCT DATASHEET

LACT Unit (Lease Automatic Custody Transfer)

Crude custody transfer: meter, sampler, BS&W





DETAIL – CHARGE PUMP AND STRAINER-AIR ELIMINATOR

OVERVIEW

The Tech Inc. LACT Unit measures and transfers crude oil from a lease or production facility to a pipeline or terminal without an operator present. It pumps the oil, removes air and debris, checks water content, diverts off-spec oil, meters the good oil and takes a representative sample, all on one skid.

MODELS AND CONFIGURATIONS

- **Standard LACT** – charge pump, conditioning, meter and sampler on one skid.
- **Twin-run LACT** – two meter runs for higher flow or redundancy.
- **LACT with prover** – with a compact or ball prover on the same skid.

TYPICAL DESIGN DATA

Standards	Designed to API MPMS Chapter 6.1, or client specification
Meter	Positive displacement, turbine or Coriolis, to client specification
Sampling	Automatic flow-proportional sampler and receiver
Design code	Pressure parts designed to ASME B31.3 / ASME VIII, or client specification
Controls	Flow computer and PLC with divert logic

APPLICATIONS

Oilfield leases and production facilities, gathering stations, crude truck unloading and pipeline injection points.

KEY ADVANTAGES

- **Unattended transfer** – measures, samples and diverts without an operator
- **Accurate metering** – air and debris removed before the meter
- **Off-spec protection** – water cut checked and bad oil diverted automatically
- **One skid** – pump, conditioning, meter, sampler and controls built and tested together

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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