PRODUCT DATASHEET

Lube Oil Console

Clean, cooled oil to bearings and gearboxes





DETAIL – FILTERS AND COOLER

OVERVIEW

The Tech Inc. Lube Oil Console is a skid-mounted lube oil system that supplies clean, cooled oil at controlled pressure to the bearings and gearboxes of rotating machines. It is designed to API 614 or client specification, with duty and standby equipment so the machine keeps running during maintenance.

MODELS AND CONFIGURATIONS

- **Compressor lube oil console** – for centrifugal and reciprocating compressors.
- **Turbine lube oil console** – for steam and gas turbines and their driven equipment.
- **Pump and gearbox lube oil console** – for large pumps and gearboxes.
- **Combined lube and seal oil console** – lube oil and seal oil supply from one skid.

TYPICAL DESIGN DATA

Design code	Designed to API 614 or client specification
Oil grade	Typically ISO VG 32 to 100, or to client specification
Filtration	Typically 10 µm, or to client specification
Piping	Stainless steel downstream of the filters, or to client specification
Pumps	Main and standby, motor- or shaft-driven, sized to the machine's oil demand, or to client specification
Cleanliness	Flushed at FAT to ISO 4406 cleanliness, to the code in the client specification

APPLICATIONS

Centrifugal and reciprocating compressors, steam and gas turbines, large pumps and gearboxes.

KEY ADVANTAGES

- **Filters and housings made in-house** – elements and housings from Tech Inc.'s own production, with spares from the same source
- **Full FAT with flushing** – flushed to ISO 4406 cleanliness before dispatch, so the machine starts on clean oil
- **Maintenance without shutdown** – standby pump, twin coolers and duplex filters with transfer valve allow changeover on line
- **Protection during trips** – accumulator and rundown tank keep oil flowing to the bearings during pump changeover and coast-down
- **Proven build** – the same fabrication, piping and controls as Tech Inc. lubrication stations

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

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