



INDUSTRIAL FLUID SYSTEMS

HOCC-14100 Is a hot oil test cell designed to do life cycle testing on valve covers, oil pans, gaskets and other engine components at up to 300 degrees F.

System Specifications

- Heat / Cool engine oil 75 Deg F Min and 350 Deg F Max
- Adjust fixture pressures from 1 to 15 PSI
- Provide programable flow rates (2.0 - 8.0 GPM) w/ flow meter
- Monitor oil level and signal when additional oil is needed
- (4) Test ports w/ automated control valves to isolate a failed part
- Interface to MDAC control for remote operation and data collection
- Portable self contained supply system easily moved

Equipment Provided

- HOCC-14100 Test Cell
 - 10 GPM VFD driven pump
 - 6kW Heater w/3 PID controllers
 - 1-15 PSI operating pressure
 - 1 Gallon expansion tank
 - 10 GPM flow meter
 - (4) Isolated fixture ports
 - Automated valves
 - 220 VAC 3ph Controls
 - PLC Controller w/ Remote I/O
 - Intranet interface to MDAC
 - Touch Screen display for Temperature-PSI-Flow
- Operational & Maintenance Manual w/ Spare Parts List

This system was designed to automate life cycle testing of engine components and gaskets when exposed to engine oil temperatures ranging from 75 to 300 Deg F. Oil circulating at 2 to 8 gpm and 1 to 15 psi simulates engine operating conditions. Testing parameters are downloaded to the cell and data is collected from sensors using the labs MDAC network. Automating the cell allowed for 24/7 testing with real time monitoring and data collection. Repeatability of the test improved while the time required to run a test was reduced.



IFS worked with product engineers, lab engineers and their technicians in the test lab to establish the application requirements as well as the best process for testing.

IFS has 20 years of experience building turnkey systems for:

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|------------------------|--------------------------|
| Coolant Recycling | Wash Water Recycling |
| Cutting Oil Recycling | Oil Purification Systems |
| Waste Water Processing | Waste Oil Processing |

Contact us today for more information.

INDUSTRIAL FLUID SYSTEMS

Phone: 800-343-8106

Fax: 586-754-8284

www.IndustrialFluidSystems.com