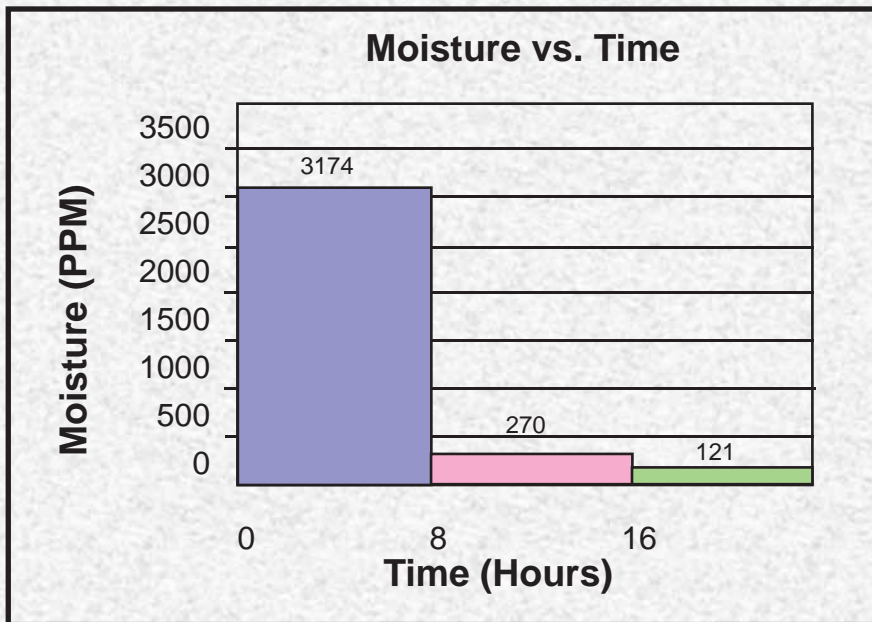


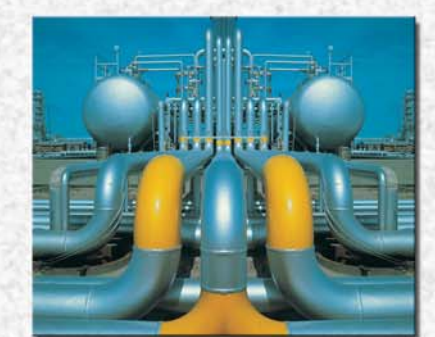
## Typical System Performance

The chart on the right depicts the moisture content of a 2,000-gallon steam turbine reservoir with a 10-GPM Hilco coalescer/separator installed.

After 16 hours of operation, the Hilco coalescer/separator was able to reduce the moisture content of fluid from 3,174 ppm to its natural saturation point.



# HILCO® Coalescer/ Separator Systems



Applications in-  
 Power Plants  
 Refineries & Chemical Plants

Applications on-  
 Steam Turbines  
 Gas Turbines  
 Turbo-Expanders  
 Hydrogen Compressors  
 Wet Gas Compressors

Hilco has a large inventory of coalescer/separator element replacements available for immediate shipment. Call for assistance in determining the appropriate size.

**The Hilliard Corporation**  
 100 West Fourth Street  
 Elmira, New York 14902-1504  
 Phone: 607-733-7121  
 Fax: 607-733-0928  
<http://www.hilliardcorp.com>

Your Local Representative:  
 **SAMPLE BROTHERS, Inc.**

  
**Hilliard**  
 HILCO® DIVISION

**Remove Moisture and Particulate Contamination from Steam and Gas Turbine Lube Oils**

  
**Hilliard**  
 HILCO® DIVISION

## Self-Sufficient Stand-Alone Models



### Features

- System flow rates from 10, 30, 60, and 100 GPM
- Positive displacement oil pump with integral relief valve
- TEFC pump motor
- NEMA 4 electrical enclosure with controls
- ASME code pre-filter vessel
- ASME code coalescer/separator vessel
- Clean and dirty sampling ports
- Inlet basket strainer
- Automatic, pneumatically operated, water drain valve
- Manual moisture drain
- Liquid level sight gauge

### Performance

- Particulate removal efficiency of 99.5% @ 3 micron
- Free and emulsified water content reduced to under 25 ppm
- Total water content to under 150 ppm based on an influent moisture content of 5% maximum

### Options

- Explosion-proof electrical controls
- Low-watt-density oil heaters
- CRN or PED vessels

**Sizing a System** -- Your Hilco coalescer/separator should have a flow capacity of at least 1/2% of the total lube oil volume. The following chart depicts the maximum recommended size reservoir for each Hilco coalescer/separator system.

Model #	Flow Rate	Reservoir Capacity
02CS10	10 GPM	2,000 Gallons
02CS30	30 GPM	6,000 Gallons
02CS60	60 GPM	12,000 Gallons
02CS100	100 GPM	12,000+ Gallons

## Portable Models



### Features

- Flow capacities from 1 to 30 GPM
- Ability to service the needs of multiple units
- Customized electrical requirements
- Integral particulate filter and coalescer filter arrangement
- Liquid level sight gauge

## Single or Multiple-Element Vessels



### Features

- Flow capacities to 20 GPM
- Designed to side stream part of the existing lube oil pumps flow
- ASME Code and non-code designs available
- Duplex designs available for uninterrupted flow during element changeout
- Liquid level sight gauge
- Auto drain optional equipment

## Custom Designs

Hilco's staff of engineers is always willing to design a system for your particular needs. Call today with your specific application requirements.

