



## TRIDENT FQMS

FLUID QUALITY  
MONITORING  
SYSTEM

### TRIDENT FQMS FLUID QUALITY MONITORING SYSTEM

Poseidon Systems offers fluid quality monitoring systems that accommodate a suite of sensors for assessing the condition of a lubricant through real-time, online measurements. Several sensor options are available to allow for customization to your application.

#### OIL CONDITION SENSOR



The sensors are plumbed and wired into a 12"x12"x 6" NEMA 4 enclosure with external interfaces provided for fluid connections, power, and communications. A data acquisition system (Trident AP2200 data logger) handles all sensor data acquisition, storage, and relaying. Data can be directed to the Poseidon Live online data portal for trending, analysis, and automated alarm notifications or to a third party historian.

#### WEAR DEBRIS MONITOR



#### ONLINE VISCOSITY MONITOR



#### BENEFITS

- Enable condition based fluid maintenance
- Identify equipment faults prior to failure
- Maximize equipment life
- Minimize reliance on offline analysis
- Optimize fluid drain intervals

#### KEY FEATURES

- Complete online fluid monitoring solution
- Easy-to-install, self-contained kit
- Optional data logger and network interface
- Customizable to user application
- In-depth fluid and system health insight



Please visit  
[PoseidonSys.com](http://PoseidonSys.com)  
to learn more.

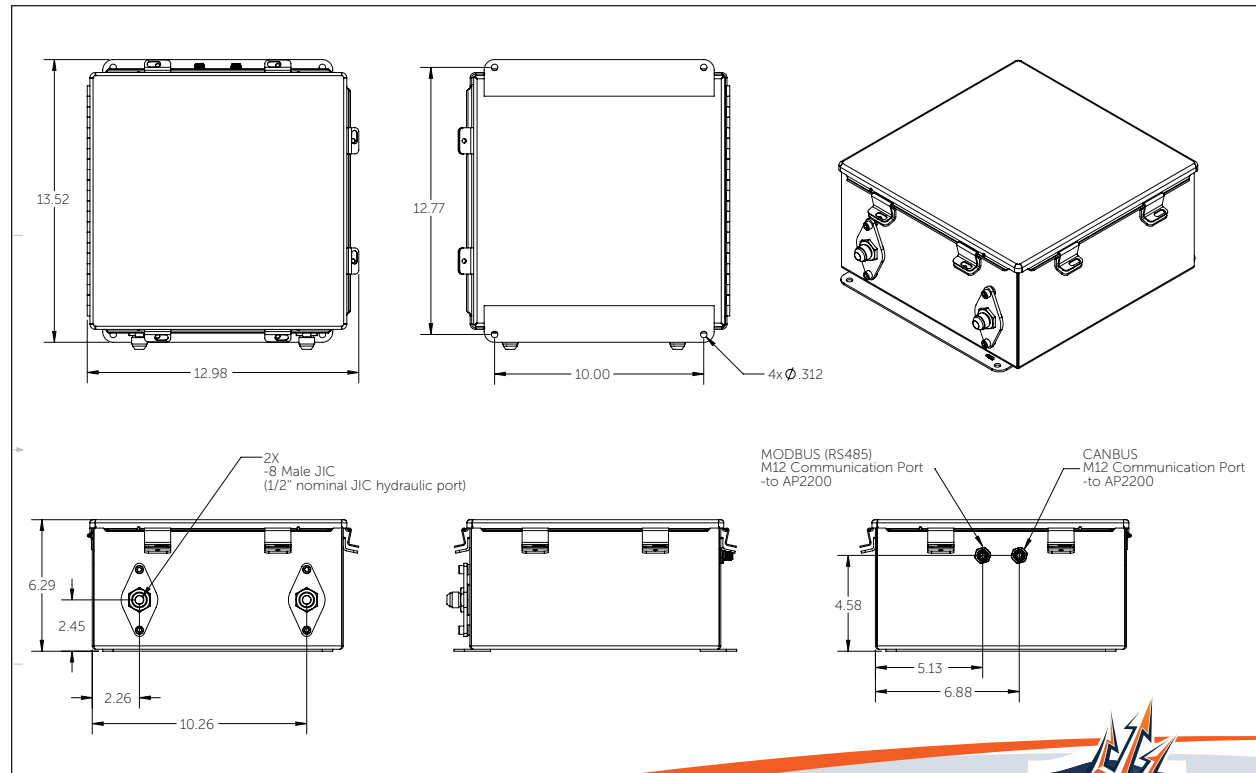
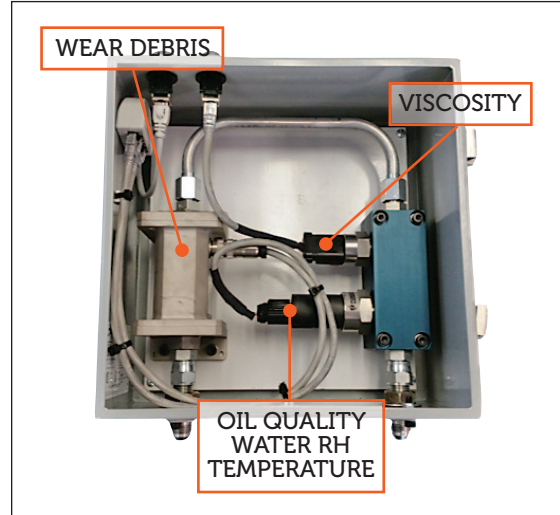
# TRIDENT FQMS

## FLUID QUALITY MONITORING SYSTEM



### TECHNICAL SPECIFICATIONS

Fluid Temperature	-40 to 212°F (-40 to 100°C)
Working Pressure	150 psi (10.3 bar) max
Flow Rate	0.25 to 10 GPM (0.95 to 38 LPM)
Viscosity	0-50cp
Oil Connections	-8 JIC Male
Ingress Protection	IP67
Communications	Modbus TCP Cellular LoRa WAN
Weight	25 lbs (11.3kg)



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