

# WearDetect

Oil Debris Sensor

## Quickstart Guide - Adaptors



Thank you for purchasing this adaptor which has been designed for use exclusively with the WearDetect Oil Debris Sensor. For more information on how to use the WearDetect Oil Debris Sensor please visit [www.gillsc.com/support](http://www.gillsc.com/support) for more details.

### Compatible Sensors:

This adaptor has been designed for use with any of the following WearDetect Oil Debris Sensors.



4212-PK-145 Oil Debris Sensor with display 4-20mA

4212-PK-146 Oil Debris Sensor with display 0-10V

4212-PK-147 Oil Debris Sensor with display CAN



4212-PK-148 Oil Debris Sensor without display 4-20mA

4212-PK-149 Oil Debris Sensor without display 0-10V

4212-PK-150 Oil Debris Sensor without display CAN

4212-PK-151 Oil Debris Sensor without display Modbus

### Tools Required

- 2mm hex key
- 36mm Spanner
- Thread Sealant (NPT only)
- Optional Threadlock (Loctite 270 or similar)

### Getting Started

- Unpack the adaptor and grub screws, checking the adaptor is the correct size for the application before fitting it to the sensor.
- For applications subject to high environmental vibration, apply thread lock to the grub screws.
- Fit the grub screws into the adaptor, without tightening.
- Fit the adaptor to the equipment using the sealing washer (or thread sealant for NPT adaptors) to a torque of 50Nm.
- Fit the the sensor probe into the thread adaptor, pushing fully to ensure the flat rear surfaces of the two parts are level.
- Secure the two parts by tightening the grub screws to a torque of 1Nm.



Any one of the three apertures can be used to secure the sensor

*Note: The grub screws supplied are designed for use with the Gill fitting. Please do not substitute alternatives as this may compromise the security of the fitting.*

*The use of thread lock between the adaptor and sensor results in a permanent fitting. Removal of sensor head requires removal of the adaptor.*

*The adaptor is intended for use with the Gill Oil Debris sensor and should not be used with any other sensor. When installing into a stainless steel fitting, Gill recommend using anti-sieze compound.*

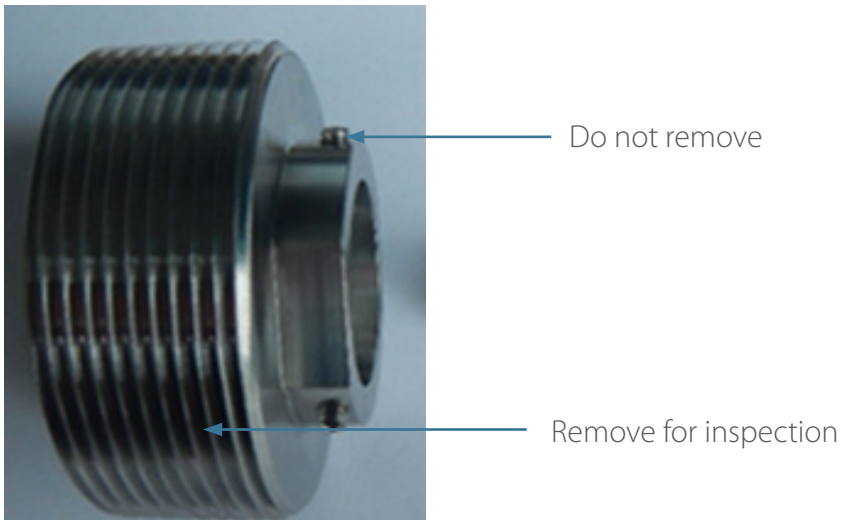
### Servicing & Maintenance

Removal of the sensor head can be carried out as follows;

- Switch off the equipment as necessary.
- Unscrew the complete thread adaptor and sensor assembly from the equipment using the correct spanner.
- Clean and remove the sensor probe (as necessary)
- Prior to re-fitting, apply thread sealant to the NPT threads (when appropriate)

Re-fitting of the sensor head can be carried out as follows;

- Re-fitting is the reverse of removal observing three turns anti-clockwise of the sensor head to offset the clockwise tightening of the fitting (cable coiling).



*Note: When removing the sensor from the equipment please remove the sensor with its adaptor as one to avoid debris contamination on the internal seals on the adaptor. It should not be necessary to dis-assemble the sensor head from its adaptor during servicing.*

*Note: Please ensure the sensor head threads and all sealing surfaces are clean prior to re-fitting.*

*For further assistance on this product please contact via [www.gillsc.com/support](http://www.gillsc.com/support)*