MetalSCAN
On–Line Oil Debris Monitor
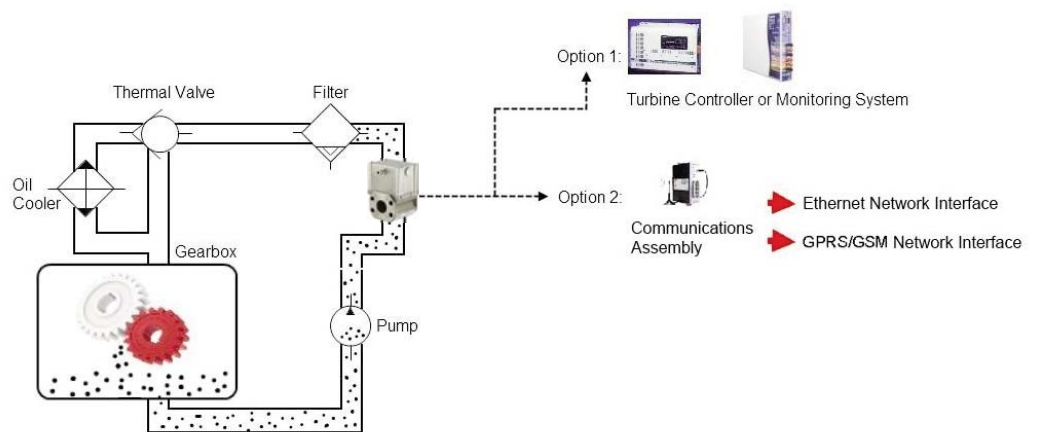# Sinovel SL3000 Wind Turbine Application

MetalSCAN, an oil debris detection monitoring sensor for the Sinovel SL3000 wind turbine gearbox lubricating oil system, consists of a sensor easily installed into the oil line after the pump and before the filter.

To install the sensor, the existing oil pump outlet hose assembly is removed, the sensor is placed in-line with four new elongated bolts to secure the hose assembly and sensor to the oil pump outlet port. The sensor can then be connected to the existing monitoring system, if fitted, or can be interfaced directly to a MetalSCAN Communications Assembly for wireless GPRS or Ethernet network connection. Simply follow the step-by-step installation instructions included with the MetalSCAN package. Installation of a MetalSCAN to a Sinovel SL3000 can be completed in less than 2 hours per turbine.

Installation on Sinovel SL3000 Wind Turbine

GASTOPS
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MetalSCAN
On–Line Oil Debris Monitor

Ordering Information

MetalSCAN 3115 Sensor Module   Order: Sensor-3115

Including: 38mm bore and -24 SAE J518 (Code 61) 4-bolt flanges, one side flange with 225 O-ring groove, 1x 225 O-ring, 20 bar max pressure, 5 msec pulse width, integral electrical connection terminal block, user's manual, 12 month warranty.

MetalSCAN Sensor -24 SAE J518 (code 61) Installation Kit   Order: Adapter-3001x

Including: 4x extended Hex Socket head mounting bolts (M12x1.75x140mm), 4x M12 lock washers, 2x225 series O-rings, 12 month warranty.

OPTIONS

MetalSCAN Cable   Order: Cable-3003x

Communication Wire between MetalSCAN Series 3000 Sensor and power supply/host system – 4 conductor (per 30 m. roll), 12 month warranty.

MetalSCAN Series 3000 GPRS Communications Assembly   Order: Alarm-3006x

Including: Particle counting, particle count resetting, BIT monitoring, wireless GPRS/GSM Modem, built-in Ethernet port, configurable for ModBUS TCP, OPC and/or database inter-face, 24VDC input power, DIN Rail, Terminal Strip, 10m cable for connection to MetalSCAN sensor, user's manual, 12 month warranty.
Note: 1) SIM card and GPRS/GSM data account is not included.

MetalSCAN Series 3000 Ethernet Communications Assembly   Order: Alarm-3007x

Including: Particle counting, particle count resetting, BIT monitoring, built-in 2 port Ethernet switch, configurable for ModBUS TCP, OPC and/or database interface, Web configuration, 24VDC input power, DIN Rail, Terminal Strip, 10m cable for connection to MetalSCAN sen-sor, user's manual, 12 month warranty.

Enclosure for Alarm-3006x or Alarm-3007x   Order: Alarm-3008x

Including: Fiberglass, NEMA 4 enclosure, L 254mm x W 203mm x H 203mm, 12 month warranty.

TO ORDER, CONTACT:

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www.gastops.com   C008095, Rev. 0