

What is an “Intellistick®”?

The Intellistick is the FUTURE
of lubricating/engine oil MANAGEMENT.



The Intellistick is an electronic “sensor” that replaces your regular engine oil dipstick. Alternatively the sensor can be installed in the oil pan or anywhere in the oil flow using Intellisticks ½ inch NPT threaded brass “sensor”. The sensor continuously samples and monitors the oil while the vehicle or equipment is operating. It scans for water or coolant intrusion/contamination, displays operating oil temperature and expresses oil condition over time/distance. It can be used on ANYTHING that has a Bearing and has an oil reservoir using oil as a lubricant. In the average transport truck doing oil changes every 15,000 Miles (24,000 Kms) this device will pay for itself in a year OR LESS. The larger the reservoir, and the more frequent the oil change interval – the faster the payback.

What can it do?

It can provide you with timely information so that “YOU” will have enough information so you can make an **intelligent and informed decision** as to when your engine/lubricating oil **actually NEEDS to be changed to protect your engine and your bearings**. Be it at 100 or 200 or 500 Kms due to the sensor reporting dangerous oil contamination levels or at 50,000 to 75,000 or even at 100,000 Kms or **WHENEVER the SAFE ECONOMIC end of the oils lubricating life is for YOUR equipment and YOUR operating conditions**.

It can give an almost INSTANT alert to contamination of your oil by water or coolant. A fuel contamination of your oil will show as an accelerated oxidation (a shortening of the life of your oil) on the Kaufman Curve reading. It can immediately notify you of a low oil level condition without you having to constantly check the oil. It can display the current oil temperature.

It can provide a HARD COPY HISTORY of your oils actual CONDITION and OPERATING TEMPERATURE for the ENTIRE LIFE of each oil change in any equipment where the device is installed.

All of the above notifications can be by lights and dials on the equipment or dashboard or by sending the information by RS232 (or RS485), USB or Blue Tooth to a windows PDA, computer, laptop or to a remote location almost ANYWHERE in the world by GPS, Radio, GPRS or satellite communication enabled equipment.

In addition to a rapid payback of your investment -and when used properly- this device can:

- Protect against EXCESSIVE WEAR and a possible PREMATURE BEARING FAILURE due to oil contamination!
- Reduce the cost of maintenance on almost anything with a bearing and using oil as a lubricant.
- Reduce the cost of your current oil budget substantially and safely provide maximum uptime for your equipment.
- Reduce the environmental impact -AND COST- of oil disposal.
- Substantially extend the useful life of your equipment AT NO EXTRA COST OR EFFORT BY YOU.

The Intellistick is a thoroughly TESTED and CONCLUSIVELY proven technology.

The Intellistick was extensively field tested in actual operational conditions by the (RPTA) “Recycled Paperboard Technical Association” for a period of five months from January of 2009 to May of 2009 on five SEPARATE pieces of equipment. These tests were monitored by three SEPARATE technical teams at three SEPARATE mill locations in the Southwest, in the Upper Midwest and in the Southeast areas of the United States.

The following pieces of equipment were tested with the Intellistick device installed and operating. And further - the Intellistick device data was verified using routine oil sample analysis to confirm the readings given by the Intellistick.

Test equipment #1: A 20 cylinder natural gas co-generation unit operating 24 hours a day 7 days a week (except for regular scheduled maintenance shutdowns) with a crankcase volume of approximately 95 Gallons (360 Litres) of oil.

Test Equipment #2. A Controlled Crown Stack bearing lubrication reservoir containing 300 Gallons of oil.

Test Equipment #3. A Black Clawson #4 Gearbox for 20 ft OCC Pulper

Test Equipment #4. A 2,000 gallon (>7500 litres) oil reservoir West End Lubricating System.

Test Equipment #5. A 5,000 gallon Oil Reservoir Dry End Lubrication System.

Summary excerpt from the RPTA report:

1st sentence in second paragraph on page 1: This IntelliStick Pilot Program Report concludes that the IntelliStick system reliably detects water intrusion, in addition to oil condition and temperature, in real time using a single sensor.

Bottom of page 1: This evaluation concludes that the system is cost effective in providing information for condition based maintenance programs, helping to protect critical equipment and assure maximum uptime. Since the completion of the trial, all of the participating mills have purchased more units.

The full UNEDITED 9 page report on the above tests are available in pdf format at:

http://intellistick.com/downloads/RPTA_Study_2009.pdf

For more information about the Intellistick® please contact:

Derek McCardell at 780-945-7653 or Lana Stewart at 780-945-7656

Canadian Distributors for the Intellistick® in Edmonton Alberta

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