

MAGNOM

BEYOND BARRIER FILTRATION

Magnom™ Boiler Buddy™ Is Launched



The Magnom™ team in conjunction with Fernox is proud to announce the launch of the Boiler Buddy™. The unit has been designed to protect domestic central heating systems from harmful rust, a growing problem as legislation drives more and more efficient boilers which are in turn more and more susceptible to failure through contamination. Industry focus groups organised by Fernox, the market leader for central heating additives in the UK, drove the need for the Magnom™ to be clear for condition monitoring, easily cleanable and capable of holding large amounts of damaging magnetite. Jobey Marlowe, The Magnom™ teams Technical Director and the brains behind the patented Magnom™ technology designed a unit that met all of these goals and can work at 4 bar g of pressure at 80°C with 1½" male BSP threads... For further Information visit www.fernox.com/boilerbuddy/



Magnom™ Turns Evil

Evil Engineering based in Laingsburg, Michigan USA have produced an in-line add-on filter that harnesses the patented Magnom™ technology. This filter designed for all Harley Davidson and custom performance applications measures approximately 4" by 2" and is available with hose fittings, AN fitting or pipe fittings. It is a must for new engine break-in or high performance motor applications. Further details can be obtained through Evil Engineering at www.gatesperformance.com



Magnom™ Protects Malaysian Steel Plant

A large international steel company in Malaysia were approached by Magnom's™ Malaysian distributor – Sense Services Sdn Bhd (www.sense-services.com.my) to show the benefits that incorporating the Magnom™ technology could bring to the plant. The transmission lubrication circuit on a cold rolling line was found to be highly contaminated with large amounts of fine ferrous, despite the use of both a primary and secondary filter system. Sense Services fitted a Magnom™ Process Unit and after only 16 days the core was lifted and inspected. Upon inspection it was found to contain large amounts of ferrous contaminant. Contaminant that had not been captured by the primary and secondary filters already in use! Further units have subsequently been purchased for other lines on the strength of the findings in this trial. The maintenance team view it as providing peace of mind that the most damaging of contaminants, the ferrous, is being removed and the chain reaction of wear process halted.

Magnom™ Down Under....

Intrex Trading Pty, Magnom™ distributors in Australia, were approached by Australian Reef Pilots Pty in a bid to help improve the performance and longevity of the engines within their fleet of Pilot boats. To test the technology a Magnom™ Clear 5 was fitted to the Cummins B Series Diesel engine during commission. The engine was new and had been chemically cleaned during component build and the oil added was fresh. With this in mind it came as some surprise that upon inspection the Magnom™ filter had captured noticeable levels of ferrous contamination. Oil analysis was also undertaken with an ISO particle count coding of 15/12 being produced. This figure is quite remarkable considering it was a new engine and just re-emphasised the ability of the Magom™ technology. It is anticipated that the fitting of the Magnom™ Unit will extend the useful life of the engine by a factor of at least 2, and probably more. The other benefit of fitting the Magnom™ Clear 5 Unit, that was greatly appreciated by Australian Reef Pilots Pty, is the ability to condition monitor the system. The Magnom™ then acts as an early warning system and can be used to identify problems before catastrophic failure occurs..... Visit Intrex Trading at www.intrex.com.au



Magnom™ Big In Japan



JATCO manufacture power trains for Nissan and Mitsubishi vehicles at their plant in Kyoto, Japan. During the manufacturing operation the gears go through a wash process where water is supplied via a well in the factory. As part of improving process performance and quality control, a target for water cleanliness was set for this operation at below NAS class 8. The water from the well has an average cleanliness of NAS class 10, well outside acceptable cleanliness levels. Initially JATCO installed a high speed centrifugal separator in order to achieve the NAS-8 target but only managed to get an average cleanliness to NAS-8.4. Still outside the set target. In an attempt to solve their problem, and reach the required NAS cleanliness levels, JATCO contacted Magnom's™ Japanese distributor – Techno Support Ltd. A Magnom™ Clear 20 was installed directly after the well output line and the cleanliness of the system was then monitored. The Magnom™ produced a cleanliness level of NAS-7.6. Samples were then taken directly after the Magnom™ output where an average cleanliness of NAS-7.4 was recorded. This indicated to the team at JATCO that the pipe work after the Magnom™ unit was also effecting cleanliness levels. As a result all new stainless steel pipe work has been fitted. So impressed were the JATCO quality control team in the performance of Magnom™ that they have decided to apply it to all 7 of their washing lines and are looking at other suitable applications for the Magnom™ within the plant, including gear shaping and broaching lines. Visit Techno Support Ltd at www.technosupport.co.jp/magnom/

www.magnom.com

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