

FAG Industrial Services GmbH

“Dream Team” – FAG Detector II and MAXIMO® CMMS System

Coupling of mobile damage diagnosis instrument and innovative CMMS system facilitates maintenance management – Synergetic use of master data and automatic generation of maintenance work orders

SCHWEINFURT/HERZOGENRATH, *August 27, 2003*. Presented at the beginning of this year, the mobile monitoring device FAG Detector II from FAG Industrial Services GmbH (FIS) is now offered in conjunction with MAXIMO®. MAXIMO®, the computerized maintenance management system from MRO Software, is already successfully in place in some 10,000 companies around the world.

Equipped with the condition monitoring software Trendline, FAG Detector II represents a handheld vibration measuring device and data collector rolled into one and is the ideal instrument for periodic measurements, e.g. during inspection rounds. Within the scope of this offline monitoring of production plants, characteristic values for vibration acceleration and velocity are specified and stored at individually determined measuring points. The instrument also permits non-contact temperature measurement with the help of an infrared sensor. The professional analysis of these measured data helps detect damage at an early stage and plan maintenance work well ahead. Thus, unscheduled downtime and expensive follow-up costs can be avoided.

One advantage of coupling FAG Detector II and MAXIMO® in condition monitoring is the synergetic use of master data. With MAXIMO®, complex company and plant structures can be easily defined into partial views as are required for the use of the Trendline software. Thanks to the coupling of the two systems, the employee performing the measurements does no longer have to bother about updating the Detector but can concentrate on his actual job initiated and controlled by MAXIMO®.

MAXIMO® enables the production planning department not only to initiate inspection rounds with the mobile measuring device, but also to select the specific measuring points. The use of the trend information stored in the CMMS system permits partial automation of the timing of measurement rounds. If an alarm is triggered as a result of the measurements, i.e. a deviation from the individual standard values is detected, MAXIMO® will automatically generate a maintenance work order or update an existing order. This order can already contain concrete measures in the form of work stages including the personnel and material

requirements to be expected. In addition MAXIMO® offers complete plant documentation about repair work and inspection rounds carried out.

The services offered by the Herzogenrath-based service specialists for CMMS systems also include the complete implementation at the customer's site, the customization to specific requirements and the integration into the company's individual IT structure.

FAG Industrial Services GmbH (F'IS)

Since the beginning of 2001, FAG Kugelfischer AG, a company of the Schaeffler Group, has been focusing its service business in FAG Industrial Services GmbH (F'IS), headquartered at Herzogenrath near Aachen. As an independent company, F'IS offers its maintenance services and service products on a manufacturer-neutral basis, so helping customers to save maintenance costs, optimize machine availability and avoid unexpected machine downtime.

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