

►22 maintain the levels of water in solution down to well below 50 parts per million and most of the market's nightmares will disappear. We are able to filter out diesel contamination to below one-micron and remove water in solution to below 20 parts per million, hence our term 'polished diesel'."

### Additives

With sulphur levels decreasing steadily in local diesel, the thought is there that truck operators should compensate for the resultant lowered lubricity levels by adding a lubricant to their fuel line. An interesting new product called Fuel Effect is making waves in this sector of the diesel market.

According to Andre Steyn, MD of Logic 7, the company marketing the product in South Africa, "Fuel Effect opens the structure of the diesel via the incorporation of a long



### Additive Maverick

Andre Steyn of Logic 7 who are marketing new product 'Fuel Effect'.

logistics and supply chain management solutions, have invested in a vehicle tagging system in order to bring efficient fuel management to its customers' and its own operations. After fitting AFS Group's eFuel vehicle tagging system, fuel theft and card fraud at Barloworld has been significantly reduced.

Using eFuel, Barloworld Logistics has automated the fuel requirements of its 235 vehicle fleet and fuel depots at nine sites around the country. Data produced by the vehicle tagging software is automatically fed into the new ERP system for detailed analysis and reporting.

David Froman, executive chairman of the AFS Group, says automated fuel procurement is about effective management, convenience and eliminating fraud. "Fuel management makes sense. Companies stand to save a fortune if they manage their fuel more efficiently. Using vehicle ►27



### Bye Bye Pump Jockey

New tagging technology will do away with cash and human intervention in the fuel-filling process, eradicating fuel fraud in the process.

unbranched hydrocarbon, which interfaces with the normal carbon chain increasing lubricity and improving the ignition properties of the fuel. It helps the engine, the pump and the injectors run cooler and smoother." Steyn says the product also improves exhaust emissions, considerably lowering soot levels.

### Fuel fraud preventatives

Theft of diesel is rife in the transport industry and fleet operators must go to every possible length to ensure they're getting all the fuel they're paying for. Apart from locking systems, technologies like vehicle tagging systems create a real-time interface between vehicle fuel tanks and office computers.

Barloworld Logistics, suppliers of



"understanding friction, lubrication and wear"

## THE SOUTH AFRICAN INSTITUTE OF TRIBOLOGY

Tribology Training in Lubrication and in Materials

### CAN YOU ANSWER THESE QUESTIONS?

- what are your repair, maintenance and failures costs?
- what are your lubricating costs?
- do you do benchmarking?
- do you have a contamination control management programme?
- do you have a staff training programme?

### IF NOT, THEN THE SAIT CAN PROVIDE YOU WITH THE TOOLS TO IMPROVE YOUR PRODUCTIVITY, YOUR COMPETITIVENESS AND YOUR PROFITABILITY BY:

- overcoming the problems of maintenance
- managing and reducing costs
- improving safety and health
- empowering your staff with tribological expertise

Attend the five day course "Lubrication Engineering" on the principles and technology of lubrication, or the three day course "Understanding & Managing Wear" on the principles of wear, and the selection of wear resistant materials, and you and your company will benefit from the practical knowledge and experience of the SAIT lecturers.

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