



CASE STUDY

CUSTOMER

LANDSTAR BCO

LOCATION

EDMONTON AB, CANADA / 2004

EQUIPMENT

TRANSPORT TRUCK C15 CAT ENGINE

APPLICATION

ENGINE OIL & FUEL

PROVEN
RESULTS



OIL CHANGE
INTERVALS
EXTENDED
TO

1000 HOURS

“I am amazed with the results! Not only have I extended my drain intervals to a savings of \$100 per month, according to Caterpillar's Fluid Analysis Lab, my engine wear ratio has decreased, therefore, extending my engine life. You have hit a home run with this product and I would highly recommend it to anyone!”

- AL JORDAN, MILLION MILE DRIVER, LANDSTAR - BCO

THE TRANSPORT TRUCKING CHALLENGE

The transportation industry is looking for methods to safely extend maintenance periods to keep trucks on the road, which is good for business. The costs of fuel, new trucks and parts are always going up. More efficient ways of conducting business are being implemented and many leading operators are turning to One Eye Industries (OEI's) filter technology.

Land star, a major transport provider with 8,000 transport units, relies on innovative technology to successfully compete in today's tough transportation market. Al Jordan, a BCO and chief tester of new technology for Landstar, was asked to run the ADD-Vantage 9000 lube oil and fuel filters on his own C-15 Caterpillar engine for a year.

PRIMARY LUBE OIL FILTERING

ADD-Vantage 9000 primary filters for fuel and lube oil employ reusable, stainless steel filter elements with a choice of absolute micron rated screens (10, 25 and 40 microns). What makes the filter far more efficient than others is a patented, secondary magnetic filter which creates multiple, powerful, magnetic fields that remove ferrous contaminants down to 1 micron and significantly reduces engine component wear.

Jordan was delighted by the news when the lab called and asked what type of filters he was using to get this type of wear reduction. Since using the OEI filters, Jordan has realized a savings of \$100 per month due to extended oil change intervals to more than 50,000 miles using conventional oil.



PRODUCT
RECOMMENDATION

ADD-VANTAGE 9000



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“Oil is cheap, but having my rigs in the shop is not. Shop time and the cost of disposing of used oil & filters on top of the cost of buying new disposable filters are not efficient business.”

- Eldron Fandrick, Fleet Owner, Fluids in Motion

Jordan was impressed with the ease of installation as the ADD-Vantage 9000 filter simply spins on in place of the standard disposable filter (no retrofitting required). They are Femco® drain compatible and the screen and magnetic filter are easily removed for inspection or cleaning in an ultrasonic cleaner, a parts washer, break cleaner or even plain soap & water.

Eldron Fandrick, Fleet Owner for Fluids in Motion, has increased the oil change interval on his rigs from 250 to 700 hours and is well on his way to a target of 1,200 hours by using oil analysis as his guide and states, “these filters are going to have a payback time of less than a year.”

“Exactly 1000 hours since the last oil change is where Robel Trucking of Calgary is on their Caterpillar Freightliner, the oil analysis reports show there is no need to change the oil, but we plan to drain it at 1,200 hours.”

-Jim Dewald, Lubrication Consultant

FUEL FILTERING

Both Jordan and Fandrick also use the ADD-Vantage 9000 to filter diesel fuel as it becomes contaminated during processing and transportation. In Alberta, diesel fuel has an average of 300 PPM of ferrous contamination between 50 microns and 1 micron in size. These hard metal particles score the fuel injectors producing inefficient combustion. The ADD-Vantage 9000 removes ferrous and non-ferrous contaminants which translates into increased fuel mileage, and ultimately fewer harmful emissions.

ENVIRONMENTAL IMPACTS

Environmental impacts are significantly reduced by the ADD-Vantage 9000's reusable filter as it reduces the more than 900,000,000 disposable filters thrown into landfills every year in North America. The contamination (oil, heavy metals & detergents) each of these filters emits has a devastating effect on ground water. Running the ADD-Vantage 9000 means extending oil change intervals, which leads to significant reductions in demand for new oil, less used oil to be disposed of, and fewer used fuel and oil filters in landfills. In turn engines get better fuel mileage, last longer, emit lower levels of heavy metal particulates and produce fewer harmful emissions – especially CO₂. This is a significant impact created by using OEI reusable filters.

THE BOTTOM LINE

Jordan summarizes his experience by saying “You have hit a homerun with this product and I would highly recommend your product to anyone!” ADD-Vantage 9000 filters exceed manufacturers' and ISO specifications and have an operating life of 18+ years.



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