



THE NEW ZEALAND VERSION OF

**SAFE AND FUEL
EFFICIENT DRIVING**

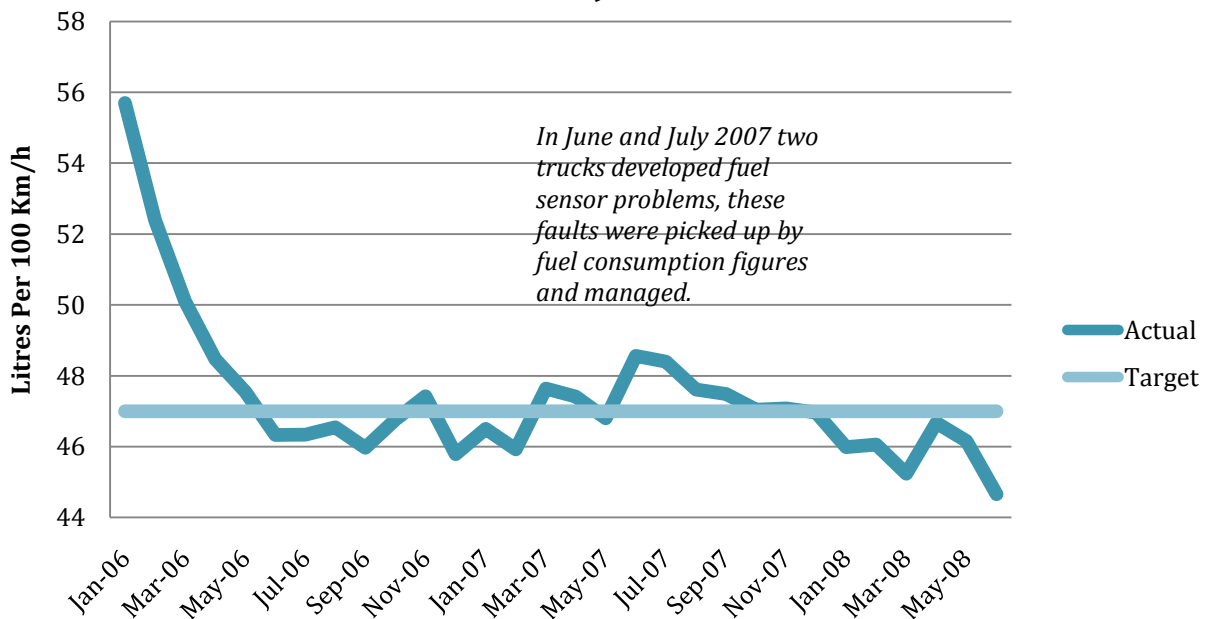


Case Study: Alexander Petroleum Services Ltd

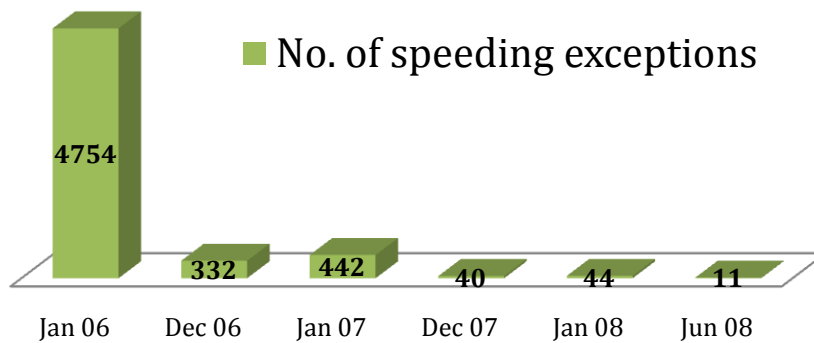
In 2005, Alexander Petroleum became concerned at the growing number of speeding exceptions and the high levels of fuel consumption they were seeing in their fleet of fuel tankers. As a result they introduced driver best practice systems to see if they could improve the performance of the company. The system had four components comprising:

- 1. Management leadership** – aimed to establish a safe and fuel efficient culture. It involved monthly recording of fuel purchases, odometer readings and safety incidents. It also involved regular meeting and discussion groups about making improvements. Safety and fuel performance was presented by the management team to monthly driver forums. These forums have evolved over time from a meeting to a true forum where the initiatives for improvement are generated by both the drivers and the management team.
- 2. Driver management**– aimed to reduce excessive speed and increase fuel efficiency. It involved training new drivers in SAFED methods to reduce fuel consumption and re-assess them on a six-monthly basis. A driver incentive scheme was introduced and a culture of continuous improvement fostered.

Alexander Petroleum Fuel Consumption January 2008 - June 2008



3. **Journey management** – aimed at improving route management. It involved better route selection for road safety and fuel efficiency.
4. **Vehicle management** – aimed to purchase the right vehicle for the right job at the right time. It also made sure vehicles were speed limited to 88km/hr, turned off engines after 3 minutes idling, were able to monitor override exceptions, and had fuel consumption displays.



Improved performance

By improving its safety and fuel use Alexander Petroleum increase profits, reduced exhaust emissions and improved health and safety. This practice also had a positive influence on its reputation and image.

By sharing the experience of Alexander Petroleum, it's hoped other transport operators will be encouraged to do the same.

Research Report

If you would like to know more about the specific measures taken by Alexander Petroleum Ltd, a full research report is available from <http://www.transport.govt.nz/ourwork/climatechange/vehiclefleetefficiency/>

(Please note: Alexander Petroleum Service Ltd. no longer operates under this name)

Alexander Petroleum's focus on safe and fuel efficient driving practices resulted in:

- 17.8 percent reduction in fuel consumption
- improved recordable incident rates across all key health, safety and environmental areas
- more than 50 percent reduction in the number of safety incidents (from 23 incidents in the first six months of 2005 to 10 incidents in the first six months of 2008)
- 99 percent reduction in the occurrence of speeding over 90km/h (from 4754 in January 2006 to 44 in January 2008).