

Datazone Benefits

DESCRIPTION	SAVINGS	\$ SAVED/year
<u>Direct Labor:</u> The direct labor savings come from the time spent manually collecting vehicle information and time spent tracking, verifying and correcting data.	Data collection/vehicle: 0.01333 hrs Data entry/vehicle:0.01 hrs Data correction/vehicle:0.01667 hrs Number of vehicles:300 Daily savings: 12 hours Hourly wage: \$20.00	\$62 400.00
<u>Precise & Better Fleet Performance:</u> Accurate tracking of vehicle performance allows accurate monitoring of the performance of various components such as tires, different grades of engine and transmission oil as well as detecting a vehicle that needs adjustment. All of which will have a positive effect on the life of your vehicles.	Assuming an average saving of 0.2L/100Km, 500Km/day, \$0.65/L daily saving/vehicle: \$0.65 Total number of vehicles: 300 Note that there are also other savings including tires, transmission longer engine life, brakes etc..	\$50 700.00
<u>Accurate Monitoring of Idle Time:</u> When a diesel of gasoline engine is left idling for relatively long periods, the engine oil degrades at a faster rate than while moving. Studies have shown that long engine idle periods result in a 75% degradation of the engine oil. This translates that a 600 hours oil is good only for 150 hours if the engine is left idling. Vehicles are left idling to warm up the cabin, while loading and unloading, during breaks, etc..	Assuming saving 2 engine oil change per year by properly monitoring and correcting for unnecessary idle: Annual savings/vehicle: \$300.00 Number of vehicles: 300 Note that savings include mechanics time, equipment time, and parts and products.	\$90 000.00
<u>Increased Equipment Availability, Eliminate O/T:</u> With automatic data capture, you can accurately schedule your fleet maintenance with error free information. This will result in eliminating late or early maintenance on a vehicle caused by erroneous maintenance data, increase equipment availability, and eliminate unnecessary overtime caused by unscheduled maintenance.	Assuming saving one maintenance per year per vehicle and 1 O/T hours per year per vehicle: Cost of one maintenance: \$150.00 Cost of 1 O/T hour: \$50.00 Number of vehicles: 300	\$60 000.00
<u>Reduction of Expensive Corrective Maintenance:</u> Accurate maintenance of your fleet will eliminate expensive corrective maintenance. Your fleet will perform better and more reliable.	Assuming 60 corrective maintenance (20% of the fleet) is reduced to 15 (75% reduction) Avg. cost of a corrective maintenance: \$1500.00 Number of corrective maintenance saved: 45 Savings include equipment time, parts, and labor.	\$67,500.00
<u>Accurate Inventory Management:</u> Accurate planning and product consumption tracking results in a more accurate product and parts inventory management. Under stocking causes delays and equipment unavailability. Over stock is costly and ties up precious financial resources in inventory.	Assuming an annual purchase of \$3 000 000.00, 15% saving in inventory at an interest rate of 12%:	\$54 000.00
<u>Accurate Warranty Tracking:</u> With accurate mileage and engine hours, your warranty tracking is more accurate and you will never pay for a broken part that is under warranty.	Assuming 1 slip caused by bad vehicle data each year: Annual savings/vehicle: \$50.00/year Total number of vehicles: 300	\$15 000.00
<u>Increased Equipment Usage & Availability:</u> Accurate maintenance of your fleet eliminate unnecessary down time, resulting in an improved equipment availability and usage.	Assuming an increase of 5% in equipment availability. For a fleet of 300, This translates into 15 additional vehicles available to your business	????
<u>More Equipment Utilization:</u> With accurate vehicle information, you know exactly how your equipment is utilized and can make the most out of your fleet.	Will result in a longer fleet life of up to 1 year	????
<u>Reduced Number of Road Accidents:</u> Accurate fleet management will inevitably result in substantial reduction of road accidents, and reduce your insurance cost.	Reduction in insurance premium Reduction in driver cost Decrease delays to transfer from one vehicle to another Eliminates equipment repair cost	????