

READ OUR TIPS AND TRICKS THAT FLEETS CAN IMPLEMENT TO IMPROVE FUEL EFFICIENCY AND REDUCE FUEL-RELATED COSTS. HERE ARE A FEW ADJUSTMENTS THAT YOU CAN MAKE TO YOUR FLEET TO STOP WASTING FUEL AND START SAVING MONEY.

7 TIPS TO IMPROVE FUEL EFFICIENCY

1. STOP IDLING

AND OPERATE IN-CAB APPLIANCES, BUT DID YOU KNOW THAT...

TRUCK DRIVERS IDLE ENGINES TO KEEP THE ENGINE BLOCK WARM, HEAT AND COOL THE CABIN



ENGINE.1 2. USE ANTI-IDLE DEVICES



CONSTITUTES NEARLY 8% OF TOTAL FUEL USE.²



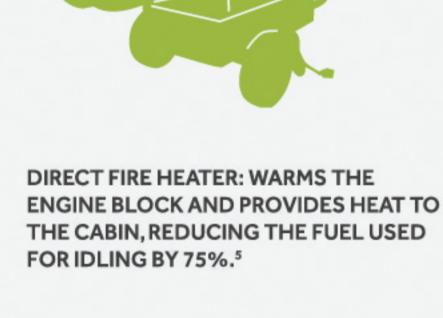
STATES EACH YEAR.3



SPENT ON IDLING.

DIRECT FIRE HEATERS AND AUXILIARY POWER UNITS (APUS) ARE INSTALLED IN AROUND 36% OF

SLEEPER CABS TODAY AND HELP REDUCE IDLING-RELATED FUEL CONSUMPTION.4



3. STOP HARD BRAKING AND SPEEDING



USE YOUR MOMENTUM TO MAXIMIZE FUEL EFFICIENCY.6

FUEL ECONOMY DECREASES BY 0.5 MPG FOR EVERY 5

INCREASES BY A POWER OF THREE, SIGNIFICANTLY

IMPACTING SPEED AND FUEL EFFICIENCY.

TRUCKS ACHIEVE THE GREATEST FUEL

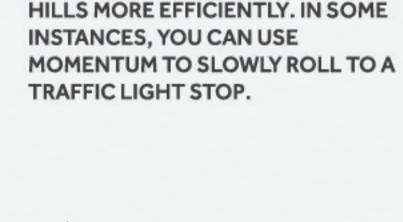
EFFICIENCY WHEN TRAVELING AT AROUND 55

MPH, THOUGH THIS SPEED IS TOO SLOW FOR

SAFE TRAVEL ON MANY HIGHWAYS IN THE

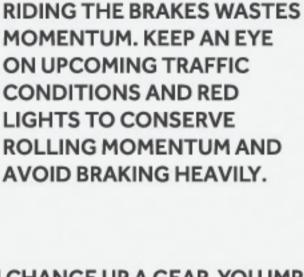
MPH A TRUCK DRIVES OVER 55 MPH.

TRUCK IS STOPPED.5

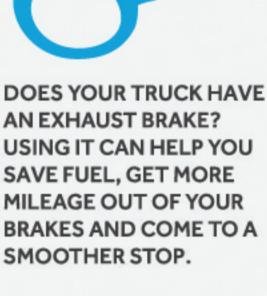


USE GAINED MOMENTUM TO CLIMB

BETWEEN 10% AND 30%.7 4. MAINTAIN OPTIMAL SPEED EFFICIENCY



RULE OF THUMB: EVERY TIME YOU CHANGE UP A GEAR, YOU IMPROVE FUEL EFFICIENCY BY





6 **•**

55

60

65

70

MPH



80

75



BY MODESTLY THE MOST EFFICIENT DECREASING SPEED TO DRIVERS CAN GET 65 MPH, THE AVERAGE APPROXIMATELY 30

UNITED STATES.



TO BALANCE SPEED

EFFICIENCY AND SAFE TRAVEL

WITH THE FLOW OF TRAFFIC.

65 MPH IS RECOGNIZED AS

HIGHWAY TRUCK TRAVEL.

THE IDEAL SPEED FOR

ACCELERATES OR BRAKES AS NEEDED IN A SMOOTH PROFILE (RAPID ACCELERATION REQUIRES MORE POWER AND MORE FUEL).

6. MAP OUT ROUTES

ROUTE AHEAD OF TIME.9



VEHICLE CAN ACHIEVE A

FUEL SAVINGS OF \$7,200

ANNUALLY.

TRUCKS TO MAINTAIN A SAFE CRUISING DISTANCE FROM THE VEHICLES AHEAD OF THEM AND ENSURING ADEQUATE BRAKING DISTANCE AT VARIOUS SPEEDS.

GETTING STUCK IN UNNECESSARY TRAFFIC OR TAKING A WRONG TURN CAN END UP COSTING A

LOT IN FUEL. AVOID SOME OF THESE GAS-GUZZLING SITUATIONS BY MAPPING OUT YOUR BEST

ROUTES SHOULD BE AVOIDED WHEN DESIGNING ROUTES.

SOME INTERSECTIONS AND TURNS ARE FUNDAMENTALLY UNSAFE. RESEARCHING AND

COMPILING INFORMATION ON THE LOCATIONS OF CRASHES CAN HIGHLIGHT WHICH

REDUCES COLLISIONS BY ALLOWING



PROVIDES LANE

WARNINGS AND

DEPARTURE

BLIND SPOT

MONITORING.

PERCENT BETTER MPG

THAN THE LEAST

EFFICIENT DRIVERS.

\$124,000 ANNUAL SAVINGS

\$74,500 ANNUAL SAVINGS

TRUCK-APPROVED NAVIGATION SYSTEMS HELP PLAN ROUTES THAT AVOID ONE-WAY STREETS, LOW BRIDGES, UNNECESSARY TURNS AND TRAFFIC AND HELP FIND APPROVED FUELING LOCATIONS. TO PLAN THE MOST APPROPRIATE TRIP, INPUT THE

VEHICLE LENGTH, WIDTH AND HEIGHT

FOLLOWING INFO TO YOUR GPS:

AXLE WEIGHTS

7. USE GPS TRACKING

AVERAGE OF 117

SPEEDING VIOLATIONS

SPEEDING EVENTS PER

THE IDLE TIMES WENT

PER WEEK DOWN TO

AN AVERAGE OF 3

WEEK.

HAZARDOUS MATERIALS YOU MAY BE TRANSPORTING

GPS TRACKING AND MOBILE FLEET MANAGEMENT SYSTEMS CAN PROVIDE DRASTIC

IMPROVEMENTS IN FUEL EFFICIENCY AND PROFITABILITY. THE FOLLOWING IMPROVEMENTS

WERE MADE WHEN GPS TRACKING WAS IMPLEMENTED IN A SAMPLE SET OF 97 TRUCKS: 10

FROM AN AVERAGE OF 468 HOURS PER WEEK TO AN AVERAGE OF 72 HOURS PER WEEK.

TOTAL ANNUAL SAVINGS = \$200,000

SLOW

SOURCES

- 5. http://www.carbonwarroom.com/sites/default/files/reports/Unlocking%20Fuel%20Saving% 20Technologies%20in%20Trucking%20and%20Fleets%20(Carbon%20War%20Room).pdf
- 6. http://www.ecodrive.org/en/what_is_ecodriving-/the_golden_rules_of_ecodriving/ 7. http://cumminsengines.com/uploads/docs/cummins_secrets_of_better_fuel_economy.pdf
- 8. http://www.ecomove-project.eu/assets/Documents/Presentations/ITS-Dublin-2013/ITSDu blin-paper54Themann-energyefficient.pdf
- http://www.lucidlogistics.com/tag/fleet-monitoring/



1. http://www.edf.org/transportation/reports/idling 2. http://www.transportation.anl.gov/pdfs/TA/373.pdf 3. http://www.epa.gov/reg3artd/diesel/truck_idling_fs.pdf 4. http://www.atri-online.org/research/results/ldle%20Reduction%20Technology%20Fleet%2 OPreferences%20Survey.pdf

9. http://www.fmcsa.dot.gov/about/outreach/education/GPS_Visor_Card_508.pdf