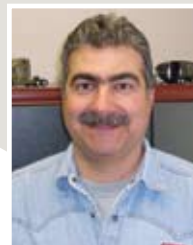


Moe's operating tips

Many of our customers inquire about engine protection and warning shut down procedures on their engines. Following are some tips to help answer these questions.



MOE TARRABAIN
Director,
Service Operations



All operators should be familiar with the vehicle warning system and how to bring the unit to a safe stop if the engine malfunctions. Not understanding this warning system could cause an engine shutdown and become a safety hazard.

READING THE SIGNS

There are four customer programmable levels for electronic engine protection: OFF, WARNING, DERATE and SHUT DOWN.

Remember that SHUT DOWN is the factory default setting.

In OFF mode, the individual sensor indicator lights will illuminate if a problem exists. There will be no shut down and the event will not be recorded.

The WARNING mode warns the driver and the engine electronics logs the event for diagnostic purposes. The amber Check

Engine Light will flash and the buzzer will sound. The Check Engine Light stops flashing when the problem stops.

Neither the OFF nor WARNING modes are very effective for engine protection.

In the event of a serious problem, the DERATE and SHUT DOWN modes reduce power to the engine and shut it down to avoid engine damage. The Red Stop Engine Light will illuminate when a problem is serious enough to reduce power or speed. The engine power will ramp down and the engine will shut down if the problem continues.

SHUT DOWN mode is your best choice to save the engine. Many engine failures could be avoided if the engine protection systems had been programmed to SHUT DOWN.

WHAT TO DO

When the Red Stop Engine Light or Engine Protection Light illuminates most engines are programmed to shut down automatically within 30 seconds.

Move your vehicle safely off the road. If you cannot move it to a safe location within that time, restart the engine by turning off the ignition switch for about 30 seconds, then back on. Alternatively push the Stop Engine Override button, if your vehicle has one. This procedure can be repeated until the vehicle is safely off the road. However, do not operate the vehicle until the problem has been fixed.

TROUBLE SHOOTING

A WARNING will sound and the SHUT DOWN process will begin for the following reasons: high engine coolant temperature, low coolant level, high engine oil pressure, plugged diesel particulate filter for the exhaust after treatment system, and on some engines if the engine oil temperature or intake air temperature reach preset levels.

See the engine manufacturer's engine operation manual for details.

If your engine has shut down and you see the Check Engine and Red Stop Engine lights, check the following:

- oil level
- coolant level
- battery connections
- belts
- hoses

Most times the engine is low on coolant and the level has gone below the low coolant level sensor or the sensor has been contaminated. Try topping up with coolant and cleaning the sensor.

For more information or if you have any questions please contact one of our First Truck Centre Service representatives.

Remember, keep her on your side of the line and any speed over 100 km/hr will consume more fuel.