



Malibu Maxx

*Under \$20,000.00, With Selected Options*

## **Technical Tip – Why is it more important to frequently check your engine oil on today’s vehicles?**

*Did you know that it is not uncommon that your **engine oil** temperature is actually **hotter** than your engine coolant ?*

*Typically your engine coolant will average 190-210 degrees Fahrenheit. While your engine oil temperature may average 220-240 !*

*Therefore, aside from the normal oil vaporization that takes place, let’s talk about the essential purpose of the engine oil:*

*All engines require oil to lubricate and protect the load bearing and internal moving parts from wear including cylinder walls, pistons & piston rings. When a piston moves down its cylinder, a thin film of oil is left on the cylinder wall. During the power stroke, part of this oil is consumed in the combustion process. As a result, **varying rates of oil consumption are accepted as normal in all engines.***

*The often **accepted rate of oil consumption** for today’s engines (passenger cars & l/d trucks under 8500 GVW) **can be** in the range of 1 quart within 2000 miles on a properly driven and maintained vehicle.*

*However, there are many other variables, driving habits, load conditions, etc. **So don’t think you need to check your oil every 2000 miles.** In fact, every fuel fill is recommended. (and only add oil with the starburst symbol)*

*Why today, but not in the recent past? Oil change intervals have changed; as a result of our (GM) industry technological leadership and encouragement to **reduce hazardous waste.***

*Nearly all GM vehicles produced today are equipped with the GM patented Oil Life Monitoring System. This GM technology allows the vehicle to alert the driver when an oil service is needed within two fuel tank fills. This range, which is based upon driving habits, vehicle usage as well as temperatures, can be from 2000 miles to 12,000 or more miles. (max-annually)*

*Therefore, in the past you may have had your vehicle serviced at 3000, or 4000 miles and if your vehicle consumed 1 quart at 2000 miles, chances are you remedied the low oil level by the scheduled oil change service.*

***Do the math!** Today with extended intervals you could be down 3 quarts of oil in a 5 quart capacity in 6 thousand miles or even more.*

***Protect your employers’ investment have the engine oil checked at every fuel fill to avoid possible costly major engine repairs.** As well as help us reduce unnecessary hazardous waste.*