An Engine's Lifeblood Part I

The following are excerpts from an article written by Mikey Gentry, a Pennzoil against it's enemies-heat, friction, and cold?

Operating under extremes of heat and compression, turning at revolutions of more than a thousand times per minute, today's car engine is a miracle of precision and power.

Powerful? Yes, but without motor oil a modern engine comes to a screaming halt within seconds as bearings melt and metal parts weld together under the extreme heat caused by friction. Motor oil lubricates the metal surfaces of the engine, allowing moving parts to travel freely and preventing metal from wearing away metal.

engine by carrying the heat of combustion and and "CD". ("S" means the oil is approved for openings and back to the pan. It counteracts the "D" are the rating quality/standard for the corrosive substances that form during normal oil—"H" and "D" are currently the highest with the oil and filter at each oil change. Oil fills a high amount of friction modifiers. the tiny gaps between the engine's piston rings and the cylinder walls. This forms a seal, Editor's Note: allowing pressure to build in the combustion chambers, and reducing leakage (blow-by) and allows dilution of the engine's oil by the fuel to protect modern automobile engines. and exhaust gas that escapes from the combustion chambers.

Do you know if your car is protected Look for, and know how to read the API "Donut". See below.



First, look in the middle of the donut, It also helps to protect an engine in select an oil of the proper SAE viscosity grade several other important ways. It helps cool the (weight). Next, choose an oil which lists "SH" friction as the oil is pumped from the pan to the passenger vehicles, The "C" means that it is bearings through a series of lines and tiny approved for commercial vehicles. The "H" and driving and keeps the engine clean by rating for each category, respectively.) Finally, suspending combustion contaminates, dirt and try to choose an oil which lists that it is an minute metal particles so they can be removed "Energy Conserving II" rated oil. This indicates

Part II, next month, discusses some of between the combustion chamber and the the many sophisticated additives used in crankcase. Excessive blow-by causes power loss combination with base oils, and their functions