

# SYNTHETIC OIL 101

## ▶ Synthetic oils

are developed in the laboratory- from man-made organic "synthesized" hydrocarbons to provide the exact characteristics desired. Essentially a completely consistent molecule..... these "designer" oils include no impurities (primarily paraffins/wax), at least when poured from the can. Impurities, of course, can appear during combustion of the engine (driving!) Synthetic oil is more expensive because it has to be manufactured rather than just separated from crude oil.

Synthetic oils **can** be run for longer periods of time between oil changes because it has better thermal stability.

## So should you run longer intervals with synthetic oil?

Well, there are still going to be acids and other combustion products in the sump over time. These are not removed by a filter. And even the stuff that is removed by the filter will eventually load the filter to the point that its efficiency drops and can go into a bypass mode and stop filtering. Essentially, the additives break down (more so in everyday stop n' go driving) Synthetics should still be changed at the manufacturer's recommended guidelines.

## KEY ADVANTAGES OF SYNTHETIC OIL

- ▶ Better lubrication properties – synthetics "CLING" to the engine's walls
- ▶ Longer intervals between oil changes are possible because synthetics suffer less thermal breakdown due to a better base stock used.
- ▶ Synthetics have a superior additive package, resulting in a "CLEANER" oil for a longer period.

**SYNTHETICS  
WILL PUMP  
BETTER  
AT LOWER  
TEMPERATURES AND  
GET TO CRITICAL  
AREAS FASTER**



IT'S MORE THAN JUST OIL. IT'S LIQUID ENGINEERING™



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## ASK YOUR CUSTOMERS THESE QUESTIONS...

- ▶ **1) Do you take repeated short trips of less than 20 km?**  
Even "short trips" are considered "severe service" on your engine...why? When you are not driving very far, your engine's oil has VERY LITTLE chance to warm up and boil off the moisture AND unused fuel. Castrol Syntec and Edge helps your engine resist the formation of corrosive metal eating acids by neutralizing them with its exclusive additive technology.
- ▶ **2) Do you drive in STOP AND GO traffic?**  
In stop and go traffic, engine temperatures can soar causing conventional oil to break down and leave harmful deposits in YOUR engine. Castrol Syntec and Edge resists breaking down in temperatures OVER 200 degrees Celsius..... this means NO SLUDGE in your engine and more protection for your engine!
- ▶ **3) Do you tow a trailer or transport heavy loads?**  
Towing a trailer OR transporting heavy loads will certainly lead to high engine temperatures. Castrol Syntec and Edge resists thermal (heat related) breakdown which results in LESS engine wear AND better performance for you!
- ▶ **4) Do you idle your vehicle for extended periods of time?**  
Castrol Syntec and Edge is exclusively engineered to provide your vehicle with SUPERIOR PERFORMANCE by Neutralizing acids in your engine that can cause rust and corrosion on vital engine parts such as cylinders, bearings and hydraulic valve lifters.

For more information, please contact your Territory Sales Manager

OR CALL 1 888 CASTROL



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