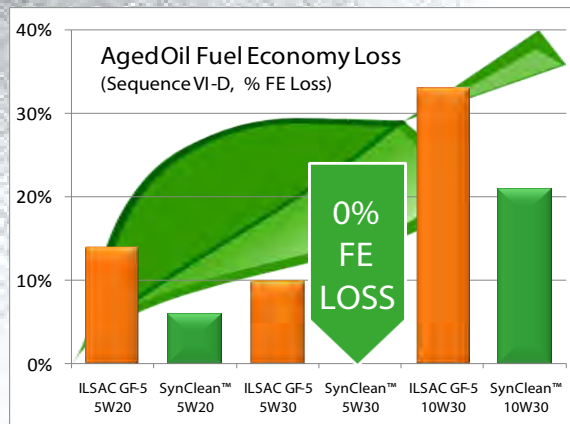




Paladin® **SynClean**™ synthetic blend motor oil extends engine life by significantly reducing wear and viscosity breakdown through pioneering advancements in oil technology. SynClean's shear stable additive system in combination with Paladin's mixture of premium water white base oils and synthetic fluid outperform *all* previous engine oils for protection and durability from wear and viscosity breakdown.

Engine sequence VI-D testing for fuel economy retention clearly demonstrates SynClean's advantage over non-synthetic and other synthetic



Fuel economy performance in the VI-D test is measured for fresh oil (FEI-1) and aged oil (FEI-2) versus an industry reference oil. Test limits expressed as total FE (FEI-1 + FEI-2) and retained FE (FEI-2)

blend motor oils because SynClean uses Paladin's proprietary lubricity additive technology proven more durable than other lubricity agents that can degrade within a few thousand miles.

Sludge in gasoline engines is usually a black emulsion of water, combustion by-products, and oil formed during low-temperature engine operation. Sludge is typically soft, but can polymerize and become a hard substance. It plugs oil lines and screens, and accelerates engine wear and increases emissions.

SynClean's premium sludge control is achieved using highly effective antioxidant and dispersant additives. The antioxidant combats sludge formation by blocking chemical reactions between

combustion by-products, water and oil at low temperature. Although the antioxidant significantly retards sludge formation it cannot stop it completely. No additive can. This is where SynClean's dispersant technology takes over by keeping formed sludge constituents finely dissolved and suspended in the oil away from engine parts.

Benefits include:

- ✔ Excellent wear protection and engine cleanliness at oil temperatures of 400°F, even at longer drain intervals
- ✔ Better fuel economy retention than both API SN Resource Conserving and ILSAC GF-5
- ✔ Helps late models reduce oil consumption and improves fuel economy
- ✔ Protects against varnish deposits and resists thermal viscosity breakdown
- ✔ Recommended oil for gasoline, turbocharged gasoline and E-85 flex-fuel engines
- ✔ Lower pour point pumps fluid faster to moving parts reducing wear during the coldest Winter season
- ✔ Compatible with conventional oils





Paladin[®] SynClean[™] synthetic blend motor oils are approved for use in General Motors, Ford and DaimlerChrysler flex-fuel vehicles using either gasoline or E-85. Additional service fill approvals also include Acura, Honda, Infiniti, Isuzu, KIA, Lexus, Mercedes Benz, Mitsubishi, Saturn, Toyota and Volvo cars and light duty trucks. *See OEM Manual for Viscosity Recommendation.*

Typical Properties

SAE Grade	5W-20	5W-30	10W-30	10W-40
Product Code	6230	6231	6232	6233
API Service / ILSAC	SN Resource Conserving / GF-5	SN Resource Conserving / GF-5	SN Resource Conserving / GF-5	API SN
General Motors	6094M	6094M	GM 6094M	GM 6094M
DaimlerChrysler FFV E-85 Gasoline Specifications	MS-6395	MS-6395	MS-6395	MS-6395
Ford Motor Company	WSS- M2C930-A	WSS- M2C929-A	WSS- M2C205-A	WSS- M2C205-A
Gravity API @ 60° F	32.5	32.7	30.7	31.2
Pour Point °F	-38	-40	-38	-38
Flash Point °F	430	426	430	430
cSt @ 100°C	8.9	10.3	10.6	14.5
cSt @ 40°C	52.4	60.7	71.6	106.8
Cold Crank Visc, cP	6,200 @ -30°C	5,700 @ -30°C	6,200 @ -25°C	6,500 @ -25°C
Viscosity Index	150	158	135	140
TBN, mg KOH/gm	8.2	8.2	8.2	8.2
Color	Amber	Amber	Amber	Amber

