



High Zinc Full Synthetic Motor Oil

Purpose Built Performance

PALADIN CLASSIC & MUSCLE full synthetic motor oil is built specifically to meet the lubrication demands of high performance hot rod, street rod, classic and muscle car engines operating under extreme conditions. Especially those using flat tappet and/or roller cams operating at high RPMs and requiring high-pressure (stiff) valve springs

To meet these demands, PALADIN CLASSIC & MUSCLE full synthetic motor oil is blended with our premium ZDDP anti wear protection package, which contains a unique balance of chemistry including high levels of zinc and phosphorus. In addition, all PALADIN CLASSIC & MUSCLE motor oils contain our exclusive TVS® (Thermal Viscosity Stabilizer) technology. This proprietary technology delivers unmatched film strength at high temperature, better piston ring seal for maximum compression, and increases the foot pounds of torque in most engines.

Features:

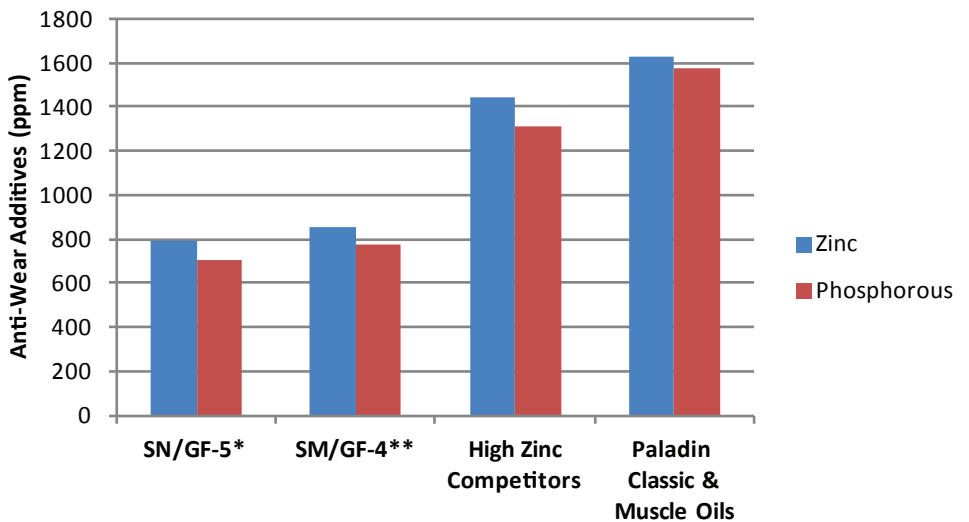
- Formulated for the protection of all engines types including those with flat tappet cams, roller cams
- Protects bearings in turbo and super-charged engines
- Full synthetic formula provides lower coefficient of friction than conventional or synthetic blend motor oils
- Offers film strength and viscosity stability of thicker mono-grades at higher temperatures with less drag
- Provides supreme upper cylinder anti-wear protection
- Helps remove and prevent varnish and carbon deposits
- Cools critical engine parts
- Maintains oil pressure and compression at high temperatures
- Pumps easily to tight clearance areas at low temperatures
- Compatible with other petroleum and synthetic oils
- Provides superior protection against rust and corrosion
- Best choice for engine storage

Typical Properties	
SAE/API	15W-50 SJ
Part #	6350
Color	Blue
Lbs./Gal.	7.10
Gravity	0.86
Viscosity @ 100°C, cSt	17.5
Anti-wear Elements	
Zn, %wt	0.16
Ca, %wt	0.22
P, %wt	0.14
Flash Pt., °C (°F)	252 (485)
Pour Pt., °C (°F)	-37 (-35)



Data from Petroleum Quality Institute of America

Paladin Classic & Muscle Oils Anti-Wear Performance



*Averages for 13 major brands of SN/GF-5 motor oil

**Averages for 13 major brands of SM/GF-4 motor oil



FOR MORE INFORMATION,
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Applications:

Use for lubrication of high-performance competition supercharged, turbocharged, injected, and naturally aspirated four-cycle engines using standard/high octane gasoline or other exotic fuels (including methanol or nitromethane).

Current API/ILSAC specifications no longer provide the appropriate amount of zinc and phosphorous needed for engines that have flat-tappets and roller cams.