

PINNACLE ANALOG

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Vehicle Information Coolant Temp Data (Spot Sample)

Vehicle Information

Vehicle: 2007 Cayman Base

Engine: 2.7 L

Oil Selection:

1. Daily driving: 5w-40
2. Daily driving with track days: 5w-50, 15w-50

Location: Southern California

Coolant/Oil temperature measurement equipment:

1. OBDLink CX + Harry's LapTimer app
2. Autel MaxiCOM Scanner Tool

Mods:

1. CFS center radiator
2. Low-temp thermostat
3. LN Engineering/Bilt 2qt Oil Sump Pan
4. X-51 style baffle
5. GlowShift Oil Pressure Gauge

Coolant Temperature Data (Spot Sample)

Below are baseline tables containing samples of coolant temperature data with supporting environmental and configuration information. Initially, our focus was to sample temperature readings at highway speed with the engine warm so that we can compare with baseline oil pressure values on track days.

9/30/23

		RPM						
		Idle	2000	3000	4000	5000	6000	7000
Coolant Temperature	°F (°C)	-	-	184 (84.4)	-	-	-	-
Constant Speed		Yes						
Location		Ortega Highway, CA74, SoCal						
Ambient Temperature		86 °F (30 °C)						

1/27/24

		RPM						
		Idle	2000	3000	4000	5000	6000	7000
Coolant Temperature	°F (°C)	-	-	172 (77.8)	-	-	-	-
Constant Speed		Yes						
Location		I5, Carlsbad, CA						
Ambient Temperature		62 °F (16.7 °C)						

2/23/24

		RPM						
		Idle	2000	3000	4000	5000	6000	7000
Coolant Temperature	°F (°C)	-	-	172 (77.8)	-	-	-	-
Constant Speed		Yes						
Location		I5, Carlsbad, CA						
Ambient Temperature		60 °F (15.5 °C)						

6/15/24

		RPM						
		Idle	2000	3000	4000	5000	6000	7000
Coolant Temperature	°F (°C)	205 (96.1)	-	189 (87.2)	-	-	-	-
Constant Speed		Paddock at SoW		Cool down lap				
Location		Streets of Willow, Rosamond, CA (Trackday)						
Ambient Temperature		97 °F (36.1 °C)						