BLACKSTONE LABORATORIES

OIL REPORT

LAB NUMBER: G91439 **UNIT ID:** 07 CAYMAN
REPORT DATE: 7/27/2015 **CLIENT ID:** 59909
CODE: 20/75 **PAYMENT:** CC: Visa

UNIT

MAKE/MODEL: Porsche 3.4L H-6 OIL TYPE & GRADE: Motul 300V 5W/40
FUEL TYPE: Gasoline (Unleaded) OIL USE INTERVAL: 2,363 Miles
ADDITIONAL INFO: Sees track use

COMMENTS

WILLIAM: After a longer oil use interval, wear levels remained nice and steady from last time. It's also worth noting how well wear lines up with the universal averages for this type of Porsche 3.4L engine, since this oil had 22 days of track use on it. Extreme driving conditions like that sometimes produce much higher levels of wear, but your Cayman's engine has done a nice job rising to the occasion. No contaminants like coolant, water, or excess fuel turned up, and the oil filter did a great job -- a mere trace of insolubles was left in the oil. Looks good!

ELEMENTS IN PARTS PER MILLION

			UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
Miles on Oil	2,363			3,213	3,067	7,633		
Miles on Unit	34,493			30,873	27,660	24,593		
Sample Date	7/16/2015			11/2/2013	7/10/2013	11/23/2012		
Make Up Oil Added	0.5 qts			0.5 qt	0 qts			
ALUMINUM	1	5	1	8	6	9		4
CHROMIUM	0	0	0	0	1	1		1
IRON	7	9	5	8	9	16		10
COPPER	4	4	3	3	4	7		7
LEAD	0	1	1	0	2	4		2
TIN	0	0	0	1	0	0		1
MOLYBDENUM	679	417	682	546	92	86		76
NICKEL	0	0	0	0	0	0		0
MANGANESE	0	0	0	0	0	0		1
SILVER	0	0	0	0	0	0		0
TITANIUM	0	0	0	0	0	0		0
POTASSIUM	4	3	2	0	6	4		2
BORON	10	95	35	56	204	172		118
SILICON	7	7	7	8	5	8		6
SODIUM	4	5	4	6	5	5		13
CALCIUM	2490	2787	2240	2503	3286	3415		2670
MAGNESIUM	15	17	12	14	26	17		100
PHOSPHORUS	983	964	962	970	991	914		903
ZINC	1149	1108	1182	1053	1132	1026		1040
BARIUM	0	0	0	0	0	0		0

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	70.5	65-78	66.8	67.4	66.4	70.6	
cSt Viscosity @ 100°C	13.09	11.6-15.3	12.09	12.27	11.98	13.12	
Flashpoint in °F	395	>375	400	415	400	400	
Fuel %	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	
Antifreeze %	0.0	0	0.0	0.0	0.0	0.0	
Water %	0.0	0.0	0.0	0.0	0.0	0.0	
Insolubles %	TR	<0.6	0.1	TR	0.1	0.1	
TBN							
TAN							
ISO Code							

*** THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE**

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com