



OIL REPORT

LAB NUMBER: J81877
 REPORT DATE: 12/4/2017
 CODE: 63/32

UNIT ID: CS 07
 CLIENT ID: [REDACTED]
 PAYMENT: [REDACTED]

UNIT	MAKE/MODEL: Porsche 3.4L H-6	OIL TYPE & GRADE: Motul 8100 X-Cess 5W/40
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 1,751 Miles
	ADDITIONAL INFO: Cayman S	

CLIENT	[REDACTED]	PHONE: [REDACTED]
	JAG MOTORSPORTS	FAX: [REDACTED]
	[REDACTED]	ALT PHONE: [REDACTED]
	[REDACTED]	EMAIL: [REDACTED]

COMMENTS TODD: This 2017 sample is the only one that gets a mark, but it's not a big one. The viscosity came back just a hair under a 5W/40, and that's not anything that'd cause the engine trouble. There's no fuel dilution present that might've thinned the oil, so if anything, it's likely just a slight anomaly. Wear still looks good, with metals stacking up nicely compared to past results. There's nothing here that'd point to the engine having any trouble. No contamination was found and the low level of insolubles (solids) points to excellent oil filtration. Nice Cayman S!

ELEMENTS IN PARTS PER MILLION	UNIT / LOCATION AVERAGES		2,077	4,480	6,601	4,500	UNIVERSAL AVERAGES
	MI/HR on Oil	MI/HR on Unit	6/22/2016	3/7/2015	2/8/2014	1/3/2012	
	1,751	52,095					
	Sample Date	11/25/2017					
	Make Up Oil Added	0 qts	0 qts	0 qts	0 qts	1 qt	
ALUMINUM	2	3	3	4	3	3	4
CHROMIUM	0	0	0	1	0	0	1
IRON	7	7	7	8	6	8	10
COPPER	6	7	7	8	6	7	7
LEAD	1	1	1	2	1	2	2
TIN	1	1	1	1	1	0	1
MOLYBDENUM	2	42	6	26	84	92	78
NICKEL	0	0	0	0	0	0	0
MANGANESE	0	0	0	0	0	0	2
SILVER	0	0	0	0	0	0	0
TITANIUM	0	0	0	0	1	0	0
POTASSIUM	0	1	0	0	1	6	2
BORON	63	112	73	91	163	170	119
SILICON	8	8	9	9	7	9	6
SODIUM	4	4	5	5	4	4	12
CALCIUM	2514	2880	2874	2812	2932	3268	2626
MAGNESIUM	13	25	17	23	49	23	88
PHOSPHORUS	903	925	997	932	864	927	892
ZINC	1031	1073	1188	1105	979	1060	1031
BARIUM	0	0	0	0	0	0	0

Values Should Be*

PROPERTIES	64.8	65-78	67.2	67.4	67.1	65.5
SUS Viscosity @ 210°F	64.8	65-78	67.2	67.4	67.1	65.5
cSt Viscosity @ 100°C	11.55	11.6-15.3	12.20	12.26	12.18	11.76
Flashpoint in °F	405	>385	400	405	395	390
Fuel %	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5
Antifreeze %	0.0	0.0	0.0	0.0	0.0	0.0
Water %	0.0	0.0	0.0	0.0	0.0	0.0
Insolubles %	0.1	<0.6	0.1	0.1	0.1	0.1
TBN			7.9	6.7		7.8
TAN						
ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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