



OIL REPORT

LAB NUMBER: UNIT ID:
 REPORT DATE: 11/10/2016 CLIENT ID:
 CODE: 20/37 PAYMENT: CC: Visa (Bulk)

UNIT MAKE/MODEL: Porsche 3.8L H-6 DFI OIL TYPE & GRADE: Mobil 1 5W/50
 FUEL TYPE: Gasoline (Unleaded) OIL USE INTERVAL: 5,896 Miles
 ADDITIONAL INFO: 2014 911 S

CLIENT PHONE: FAX:
 ALT PHONE:
 EMAIL:

COMMENTS * This is another beauty of a sample. Metals look great compared to averages and you couldn't ask for better wear trends than what you're getting. This engine looks great. No contamination was found, the viscosity was fine, and the additives aren't changing much from sample to sample -- not that we'd expect them to since you've been using this oil for a while. This engine makes for some pretty unexciting oil reports, but the more boring they are, the better news that is for your engine! Nice sample.

ELEMENTS IN PARTS PER MILLION	M/HR on Oil	5,896	UNIT / LOCATION AVERAGES	5,215	6,016	5,745	5,027	4,531	UNIVERSAL AVERAGES
	M/HR on Unit	37,333		31,437	26,222	20,206	14,461	9,434	
	Sample Date	11/2/2016		8/3/2016	3/22/2016	8/19/2015	5/21/2015	9/30/2014	
	Make Up Oil Added	0 qts		0 qts	0 qts	0 qts	0 qts	0 qts	
ALUMINUM	2	5	2	5	3	3	5	5	5
CHROMIUM	0	0	0	0	0	0	0	0	0
IRON	4	6	4	5	5	5	8	11	11
COPPER	1	3	1	3	2	3	3	11	11
LEAD	1	0	0	1	0	1	0	1	1
TIN	1	2	1	0	2	2	3	2	2
MOLYBDENUM	92	63	83	80	85	65	4	101	101
NICKEL	0	0	0	0	0	0	0	0	0
MANGANESE	0	2	0	1	0	1	1	2	2
SILVER	0	0	0	0	0	0	0	0	0
TITANIUM	0	0	0	0	0	0	1	0	0
POTASSIUM	2	3	2	0	4	4	4	3	3
BORON	178	136	164	176	172	145	10	146	146
SILICON	2	3	2	0	3	2	2	5	5
SODIUM	4	6	4	4	5	5	6	6	6
CALCIUM	3272	3028	3031	3083	3399	3092	2637	2809	2809
MAGNESIUM	29	76	53	114	79	47	140	34	34
PHOSPHORUS	988	936	908	946	1021	908	926	884	884
ZINC	1170	1085	1073	1144	1130	1062	1110	1021	1021
BARIIUM	0	0	0	0	0	0	0	0	0

Values Should Be*

PROPERTIES	75.0	70-86	84.2	81.3	77.4	73.4	65.6
SUS Viscosity @ 210°	75.0	70-86	84.2	81.3	77.4	73.4	65.6
cSt Viscosity @ 100°C	14.26	12.9-17.3	16.56	15.86	14.88	13.85	11.78
Flashpoint in °F	415	>390	410	385	395	385	415
Fuel %	<0.5	<2.0	<0.5	TR	<0.5	TR	<0.5
Antifreeze %	0.0	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	0.0
Insolubles %	0.2	<0.6	TR	TR	TR	TR	0.3
TBN							
TAN							
ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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