



OIL REPORT

LAB NUMBER: H74489
 REPORT DATE: 8/31/2016
 CODE: 20/32

UNIT ID: 06 CARRERA
 CLIENT ID: 99424
 PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Porsche 3.8L H-6	OIL TYPE & GRADE: Motul 8100 X-Cess 5W/40
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 3,000 Miles
	ADDITIONAL INFO: 997.15	

CLIENT	KENNETH MCDONNELL	PHONE: (630) 476-7171
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COMMENTS
 KEN: The visible metal you found probably isn't cautionary, but continue to watch for it in case you start to find more. These results are great, so we don't have any reason to believe trouble is in the works for your Porsche. Universal averages show typical wear levels after ~4K miles of oil use. Iron and copper are just a bit out of balance compared to averages - see how iron is typically the dominant metal? That may show a bit more brass/bronze wear, but not enough to worry about at this point. Use 3,000 miles again and let us know if visible metal increases.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	3,000	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	35,120						
	Sample Date	8/14/2016						
	Make Up Oil Added	0.5 qts						
ALUMINUM	3	3					5	
CHROMIUM	1	1					1	
IRON	8	8					10	
COPPER	9	9					8	
LEAD	1	1					4	
TIN	0	0					1	
MOLYBDENUM	21	21					80	
NICKEL	0	0					1	
MANGANESE	0	0					2	
SILVER	0	0					0	
TITANIUM	0	0					0	
POTASSIUM	2	2					3	
BORON	80	80					110	
SILICON	10	10					6	
SODIUM	7	7					10	
CALCIUM	2605	2605					2752	
MAGNESIUM	15	15					71	
PHOSPHORUS	837	837					926	
ZINC	1027	1027					1071	
BARIUM	0	0					0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	68.9	61-78				
	cSt Viscosity @ 100°C	12.67	10.5-15.3				
	Flashpoint in °F	395	>375				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	<0.1				
	Insolubles %	0.2	<0.6				
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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