



OIL REPORT

LAB NUMBER: Q72415
 REPORT DATE: 2/10/2023
 CODE: 20/88

UNIT ID: PORSCHE
 CLIENT ID: 180691
 PAYMENT: CC: AmEx

UNIT	MAKE/MODEL: Porsche 3.8L H-6 DFI	OIL TYPE & GRADE: Liqui Moly Leichtlauf HT 5W/40
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 4,580 Miles
	ADDITIONAL INFO: 2009 911	

CLIENT	K [REDACTED]	
	[REDACTED]	

COMMENTS KEVIN: We unmarked the viscosity of your 12/6/21 sample. We've looked at the results we tend to get from this Leichtlauf HT oil, and it turns out, our previous lower limit might've been a bit too high. Fuel turned up again, but 0.5% is nothing to write home about. Small amounts of fuel like this tend to be incidental and not a sign of trouble in the fueling system. No other contamination was detected and wear metals still look good in comparison to universal averages and the previous two samples. All signs point to a healthy 3.8L DFI within your Porsche!

	MI/HR on Oil	4,580	UNIT / LOCATION AVERAGES	4,900	5,000			UNIVERSAL AVERAGES
	MI/HR on Unit	99,930		95,500	90,500			
	Sample Date	1/26/2023		12/6/2021	4/28/2021			
	Make Up Oil Added	2 qts		2 qts	2.5 qts			
ELEMENTS IN PARTS PER MILLION	ALUMINUM	4	5	5	5			4
	CHROMIUM	0	0	0	1			0
	IRON	6	6	6	7			9
	COPPER	1	1	1	2			5
	LEAD	0	0	0	1			1
	TIN	0	0	1	0			1
	MOLYBDENUM	153	151	150	150			85
	NICKEL	1	1	1	1			0
	MANGANESE	0	0	0	0			2
	SILVER	0	0	0	0			0
	TITANIUM	0	0	0	1			1
	POTASSIUM	1	1	1	2			3
	BORON	165	156	185	119			155
	SILICON	1	3	4	4			4
	SODIUM	4	5	4	7			5
	CALCIUM	2554	2484	2613	2285			2704
	MAGNESIUM	110	113	52	176			38
PHOSPHORUS	899	873	885	834			875	
ZINC	1021	996	1020	947			981	
BARIUM	0	0	0	0			0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	62.8	62-78	63.8	68.5
	cSt Viscosity @ 100°C	11.00	10.8-15.3	11.29	12.55
Flashpoint in °F	375	>385	405	375	
Fuel %	0.5	<2.0	<0.5	0.5	
Antifreeze %	0.0	0.0	0.0	0.0	
Water %	0.0	0.0	0.0	0.0	
Insolubles %	0.3	<0.6	0.2	0.2	
TBN				3.3	
TAN					
ISO Code					

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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