



OIL REPORT

LAB NUMBER: K4737
 REPORT DATE: 8/23/2018
 CODE: 20/32

UNIT ID: F TYPE
 CLIENT ID: 12467
 PAYMENT: CC: AmEx

UNIT	MAKE/MODEL: Jaguar 5.0L V-8 S/C	OIL TYPE & GRADE: Castrol 5W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 4,500 Miles
	ADDITIONAL INFO:	

CLIENT	JOSH [REDACTED]	PHONE: [REDACTED]
	[REDACTED]	FAX:
	[REDACTED]	ALT PHONE:
	[REDACTED]	EMAIL: [REDACTED]
	[REDACTED]	[REDACTED]

COMMENTS
 JOSH: We updated your engine type to the correct, 5.0L supercharged engine. The averages for this engine type are based on an interval of about 7,700 miles. The high metals and silicon we saw last time were just material from the initial break-in process, and that stuff has mostly washed out by this point. Copper is still slightly elevated at 7 ppm, but that's a lot lower than before, and everything else looks great. The viscosity is in spec too, making for a perfect report for the engine at just 10,000 total miles. Looks great so far!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	4,500	UNIT / LOCATION AVERAGES	4,500				UNIVERSAL AVERAGES
	MI/HR on Unit	10,000		4,500				
	Sample Date	8/1/2018		4/26/2018				
	Make Up Oil Added			0 qts				
ALUMINUM	11	11	57				15	
CHROMIUM	0	0	1				1	
IRON	14	14	52				35	
COPPER	7	7	43				3	
LEAD	0	0	0				0	
TIN	0	0	1				0	
MOLYBDENUM	77	77	61				88	
NICKEL	0	0	1				0	
MANGANESE	2	2	22				3	
SILVER	0	0	0				0	
TITANIUM	22	22	17				1	
POTASSIUM	2	2	18				2	
BORON	34	34	27				43	
SILICON	16	16	121				13	
SODIUM	9	9	14				24	
CALCIUM	750	750	1006				2217	
MAGNESIUM	1310	1310	1004				206	
PHOSPHORUS	628	628	657				711	
ZINC	765	765	782				828	
BARIUM	0	0	1				0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	51.9	46-59	43.9			
	cSt Viscosity @ 100°C	7.86	6.0-10.2	5.39			
	Flashpoint in °F	415	>385	410			
	Fuel %	<0.5	<2.0	<0.5			
	Antifreeze %	0.0	0.0	0.0			
	Water %	0.0	<0.1	0.0			
	Insolubles %	0.2	<0.6	0.2			
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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