



OIL REPORT

LAB NUMBER: N71656
 REPORT DATE: 8/6/2021
 CODE: 20/698

UNIT ID: RANGE ROVER
 CLIENT ID: 30525
 PAYMENT: CC Online

UNIT	MAKE/MODEL: Jaguar 3.0L P400 I6 Turbo	OIL TYPE & GRADE: Synthetic 0W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 8,000 Miles
	ADDITIONAL INFO: 2021 Land Rover	

CLIENT	[REDACTED]	FAX: [REDACTED]
	PLANO, TX 75093	ALT PHONE: [REDACTED]
		EMAIL: [REDACTED]@gmail.com

COMMENTS
 [REDACTED] Amended report for universal averages. Most of the factory oil samples we receive share certain characteristics. Wear metals tend to be elevated, particularly copper and iron, and silicon is usually up there too. These elements come from the parts breaking in, and assembly sealers. The number of oil changes it takes to flush out all this wear-in stuff is variable, but we should see progress over the next few samples, until metals roughly resemble averages, based on ~5,700-mile oil runs. Trace fuel is okay, as is the 2.3 TBN. Go 8,000 miles again for wear-in progress.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	8,000	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	8,000						
	Sample Date	7/15/2021						
	Make Up Oil Added	0 qts						
	ALUMINUM	11						7
	CHROMIUM	1						0
	IRON	75						17
	COPPER	33						3
	LEAD	1						0
	TIN	2						0
	MOLYBDENUM	1						71
	NICKEL	1						0
	MANGANESE	97						3
	SILVER	0						0
	TITANIUM	23						19
	POTASSIUM	3						2
	BORON	46						48
	SILICON	37						14
	SODIUM	7						7
	CALCIUM	1536						1369
	MAGNESIUM	18						649
	PHOSPHORUS	660						689
	ZINC	764						817
	BARIUM	0						0

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	48.0	46-59				
	cSt Viscosity @ 100°C	6.67	6.0-10.2				
	Flashpoint in °F	380	>385				
	Fuel %	TR	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	0.0				
	Insolubles %	0.2	<0.6				
	TBN	2.3	>1.0				
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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