OIL REPORT

LAB NUMBER: S052203 **UNIT ID:** 15 XJL
REPORT DATE: 5/2/2024 **CLIENT ID:** 245119
CODE: 20/88 **PAYMENT:** CC: MC

UNIT

MAKE/MODEL: Jaguar 3.0L Supercharged V-6
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO:

OIL TYPE & GRADE: Synthetic 0W/20
OIL USE INTERVAL: 6,029 Miles

CLIENT

[redacted]

PHONE: [redacted]
FAX:
ALT PHONE:
EMAIL: [redacted]

COMMENTS

[redacted] Thanks for noting the engine knock. The high levels of iron and copper in this sample very well could show a bearing problem. The outermost layer of the bearings is aluminum, & aluminum looks okay here, but the fact that copper is reading so high could mean the bearings have already worn through to the bronze underlay. Iron is likely coming from steel supporting shafts. Iron and copper can also come from other brass/bronze parts. Suggest seeking inspection. For reference, universal averages show typical wear after about 6,200 miles of oil use. The trace fuel is harmless.

ELEMENTS IN PARTS PER MILLION

		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR on Oil	6,029							
MI/HR on Unit	95,000							
Sample Date	4/10/2024							
Make Up Oil Added	0 qts							
ALUMINUM	6	6						6
CHROMIUM	0	0						0
IRON	**52**	52						16
COPPER	**38**	38						2
LEAD	0	0						0
TIN	3	3						0
MOLYBDENUM	103	103						77
NICKEL	2	2						0
MANGANESE	1	1						2
SILVER	0	0						0
TITANIUM	7	7						14
POTASSIUM	2	2						2
BORON	48	48						54
SILICON	7	7						12
SODIUM	10	10						8
CALCIUM	913	913						1344
MAGNESIUM	774	774						590
PHOSPHORUS	702	702						708
ZINC	849	849						824
BARIUM	0	0						0

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	53.7	46-59					
cSt Viscosity @ 100°C	8.39	6.0-10.2					
Flashpoint in °F	**385**	>385					
Fuel %	TR	<2.0					
Antifreeze %	0.0	0.0					
Water %	0.0	0.0					
Insolubles %	0.3	<0.6					
TBN							
TAN							
ISO Code							

*** THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE**

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