OIL REPORT

LAB NUMBER: M51852 **UNIT ID:** MARK 2
REPORT DATE: 8/12/2020 **CLIENT ID:** 78775
CODE: 44/68 **PAYMENT:** CC: MC

UNIT

EQUIP. MAKE/MODEL: Jaguar 3.8L Inline 6-Cylinder
FUEL TYPE: Gasoline (Leaded)
ADDITIONAL INFO: 1963 Eng Swap
OIL TYPE & GRADE: Gasoline Engine Oil
OIL USE INTERVAL: Miles

CLIENT

JAMES BEIRNE
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COMMENTS

JAMES: All told, these are pretty decent results for an engine that's been in storage so long. Sure, metals are on the high side, but lead can reasonably be explained by past use of leaded fuel, meaning it's not really a concern. Aluminum, iron, and copper could stand to be lower, but we'll just want to keep an eye on those for now as they may improve with more use. Fuel dilution is a touch elevated at 3.3%, and insolubles (oxidized solids) are near limits at 0.5%, so we hope to see those come down as well. The viscosity reads like a 5W/20. Check back for comparison.

ELEMENTS IN PARTS PER MILLION

		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR on Oil								
MI/HR on Unit	35,000							
Sample Date	7/31/2020							
Make Up Oil Added								
ALUMINUM	**15**	15						3
CHROMIUM	1	1						1
IRON	**103**	103						18
COPPER	**38**	38						8
LEAD	1389	1389						35
TIN	2	2						1
MOLYBDENUM	0	0						54
NICKEL	1	1						0
MANGANESE	6	6						3
SILVER	0	0						0
TITANIUM	0	0						3
POTASSIUM	6	6						2
BORON	37	37						98
SILICON	10	10						8
SODIUM	20	20						28
CALCIUM	892	892						2125
MAGNESIUM	384	384						141
PHOSPHORUS	935	935						826
ZINC	994	994						929
BARIUM	9	9						1

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	55.4						
cSt Viscosity @ 100°C	8.90						
Flashpoint in °F	**310**	>375					
Fuel %	**3.3**	<2.0					
Antifreeze %	0.0	0.0					
Water %	0.0	0.0					
Insolubles %	0.5	<0.6					
TBN							
TAN							
ISO Code							

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

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