BLACKSTONE LABORATORIES

OIL REPORT

LAB NUMBER:
REPORT DATE: 3/8/2019
CODE: 63/32

UNIT ID: 10 RED EVO X
CLIENT ID:
PAYMENT: CC: Visa

UNIT

MAKE/MODEL: Mitsubishi 2.0L (4B11T) 4-Cyl Turbo
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO:

OIL TYPE & GRADE: Pennzoil Platinum Euro 5W/40
OIL USE INTERVAL: 2,000 Miles

CLIENT

COMMENTS

We can only quantify fuel up to 10.0%. The flashpoint was low enough in this sample to show more fuel than that in the oil. Also note the very, very thin viscosity, which is probably a result of the fuel dilution (the viscosity read off the charts thin -- lower than something like a 0W/20). Iron and copper read high showing steel and brass/bronze wear (and they're probably worse than they appear since fuel is probably diluting them). Silicon and sodium can show dirt and coolant... or maybe just harmless sealers and oil additive. Hard to say. Fuel is a problem, though.

ELEMENTS IN PARTS PER MILLION

		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR on Oil	2,000							
MI/HR on Unit	49,500							
Sample Date	2/28/2019							
Make Up Oil Added	0 qts							
ALUMINUM	4							5
CHROMIUM	1							1
IRON	**45**							15
COPPER	**9**							2
LEAD	3							2
TIN	2							1
MOLYBDENUM	2							84
NICKEL	0							0
MANGANESE	0							2
SILVER	3							0
TITANIUM	0							1
POTASSIUM	2							4
BORON	31							75
SILICON	**80**							11
SODIUM	**68**							31
CALCIUM	1854							2071
MAGNESIUM	14							297
PHOSPHORUS	662							851
ZINC	664							924
BARIUM	0							0

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°	**37.4**	65-78					
cSt Viscosity @ 100°C	**3.36**	11.6-15.3					
Flashpoint in °F	**75**	>375					
Fuel %	**>10.0**	<2.0					
Antifreeze %	**?**	0.0					
Water %	0.0	<0.1					
Insolubles %	0.4	<0.6					
TBN							
TAN							
ISO Code							

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

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