BLACKSTONE LABORATORIES

OIL REPORT

LAB NUMBER: [redacted] **UNIT ID:** 13 RADICAL SRI
REPORT DATE: 12/12/2019 **CLIENT ID:** 104685
CODE: 20/32 **PAYMENT:** [redacted]

UNIT

MAKE/MODEL: Radical Performance Engines 1340cc D
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO: GSXR 1300 K8, Race car
OIL TYPE & GRADE: Maxima Pro Plus 15W/50
OIL USE INTERVAL: 10 Hours

CLIENT

[redacted]

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

COMMENTS

GRAEME: Lead read high enough to mark this time. It could show excess bearing wear, but we suspect it's from a harmless source like race/track fuel or octane boosters since all else looks good. If lead were all from the bearings, we'd expect other metals to be a bit high as well, but they're fairly steady compared to last time. Let's just watch lead from our end, especially if all is well on yours. No contamination was detected in this sample of 15W/50, and the oil filter did a good job with insolubles. Just keep up the good work and check back next time to monitor lead.

ELEMENTS IN PARTS PER MILLION

MI/HR on Oil	10	UNIT / LOCATION AVERAGES	6	5				UNIVERSAL AVERAGES
MI/HR on Unit	57		36	30				
Sample Date	10/19/2019		2/15/2019	5/28/2018				
Make Up Oil Added	0.25 qts		0.50 qts	0 qts				
ALUMINUM	5	6	4	8				6
CHROMIUM	0	0	0	0				0
IRON	6	9	7	14				9
COPPER	1	3	3	6				3
LEAD	**22**	9	4	1				9
TIN	0	0	0	0				0
MOLYBDENUM	1	3	2	7				3
NICKEL	0	0	0	1				0
MANGANESE	1	1	1	1				1
SILVER	1	2	1	3				2
TITANIUM	1	1	1	0				1
POTASSIUM	1	1	1	0				1
BORON	2	9	5	19				9
SILICON	9	11	11	14				11
SODIUM	5	6	4	8				6
CALCIUM	1815	2036	1957	2337				2036
MAGNESIUM	9	9	8	10				9
PHOSPHORUS	1081	1213	1167	1392				1213
ZINC	1188	1327	1246	1548				1327
BARIUM	0	0	0	0				0

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	80.9	70-85	79.0	83.3			
cSt Viscosity @ 100°C	15.76	13.0-17.0	15.27	16.35			
Flashpoint in °F	420	>390	425	435			
Fuel %	<0.5	<2.0	<0.5	<0.5			
Antifreeze %	0.0	0.0	0.0	0.0			
Water %	0.0	0.0	0.0	0.0			
Insolubles %	TR	<0.6	TR	TR			
TBN							
TAN							
ISO Code							

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

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com

©COPYRIGHT BLACKSTONE LABORATORIES 2019 LIABILITY LIMITED TO COST OF ANALYSIS