

OIL REPORT

LAB NUMBER: P59918

REPORT DATE: 4/11/2022 CODE: 20/68 CLIENT ID: 27942
PAYMENT: CC Online

UNIT ID: 90 RX7 GXL

MAKE/MODEL:

Mazda 1.3L Rotary (13B)

FUEL TYPE: Gasoline (Unleaded)

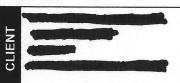
ADDITIONAL INFO:

OIL TYPE & GRADE:

Castrol 20W/50

OIL USE INTERVAL:

2,435 Miles



PHONE:

FAX: ALT PHONE:

EMAIL:

COMMENTS

LAWRENCE: Coolant contamination is still a concern for your RX-7 and fuel dilution is excessive as well. The flashpoint shows 4.5% fuel, which is also diluting the spectral results (see calcium and below compared to previous results). So actual wear is likely higher than it appears. Inspect the fuel system carefully, especially if the oil level is rising on the dipstick. Inspect the cooling system as well. The viscosity is low for 20W/50 oil like before, and insolubles are back in line at 0.4%. Consider using 1,000 miles or less until fuel dilution/coolant contamination are gone.

	MI/HR on Oil	2,435	UNIT / LOCATION AVERAGES	2,168	1,723	2,729	2,683	2,526	UNIVERSAL AVERAGES
	MI/HR on Unit	161,200		158,765	156,597	148,686	135,041	132,075	
	Sample Date	3/30/2022		4/23/2021	7/15/2020	7/20/2018	6/2/2017	4/14/2017	
	Make Up Oil Added	0 qts		0 qts	0 qts	0 qts	0 qts	0 qts	
O	ALUMINUM	1	3	4	2	4	3	3	2
=	CHROMIUM	0	2	3	0	2	2	3	3
MIL	IRON	6	8	26	10	5	9	9	10
	COPPER	21	3	15	13	3	1	2	4
ER	LEAD	281	1	319	588	0	1	0	4
٥	TIN	1	0	3	1	0	0	0	0
TS	MOLYBDENUM	2	50	47	37	83	61	59	86
AR	NICKEL	0	0	0	0	0	0	0	0
P/	MANGANESE	0	0	1	1	0	0	0	0
Z	SILVER	0	0	1	0	0	0	0	0
S	TITANIUM	0	0	0	0	0	0	0	0
-	POTASSIUM	26	2	25	26	1	3	2	2
EN	BORON	16	56	57	30	131	84	103	57
M	SILICON	17	5	11	9	3	4	5	11
出	SODIUM	346	61	271	198	7	39	76	61
	CALCIUM	317	1818	1857	1358	2256	1718	1887	1747
	MAGNESIUM	58	9	39	19	15	8	8	147
	PHOSPHORUS	428	719	713	626	756	608	671	751
	ZINC	326	837	834	580	819	665	772	881
	BARIUM	0	0	0	0	0	0	0	0

Values

Should Be*

PERTIES	SUS Viscosity @ 210°F	67.8	75-95	69.3	61.8	68.4	65.6	69.1
	cSt Viscosity @ 100°C	12.37	16.0-19.4	12.78	10.72	12.52	11.78	12.71
	Flashpoint in °F	295	>385	345	375	395	385	365
	Fuel %	4.5	<2.0	1.5	TR	<0.5	TR	0.5
	Antifreeze %	0.69	0.0	0.54	0.40	0.0	0.0	?
	Water %	0.0	<0.1	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.4	<0.6	1.0	0.5	0.1	0.2	0.1
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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