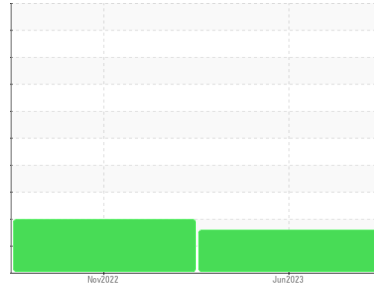


Machine Id
ACURA 2023 ACURA INTEGRA
Component
Front Gasoline Engine
Fluid
HONDA 0W20 (--- GAL)



DIAGNOSIS

Recommendation
The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear
All component wear rates are normal.

Contamination
There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

Fluid Condition
Viscosity of sample indicates oil is within SAE 5W20 range, advise investigate. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PC0010928	PC0011519	---
Sample Date	Client Info			02 Jun 2023	18 Nov 2022	---
Machine Age	kms	Client Info		13995	8152	---
Oil Age	kms	Client Info		5843	8152	---
Oil Changed	Client Info			Changed	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method	>0.2		NEG	NEG	---
Glycol	WC Method			NEG	NEG	---

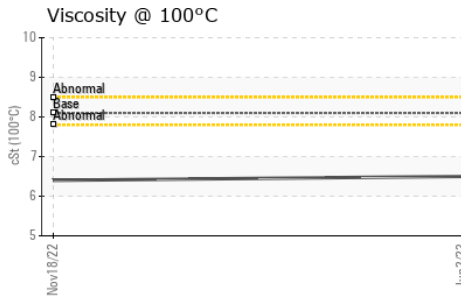
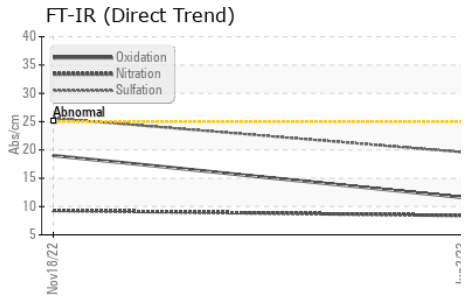
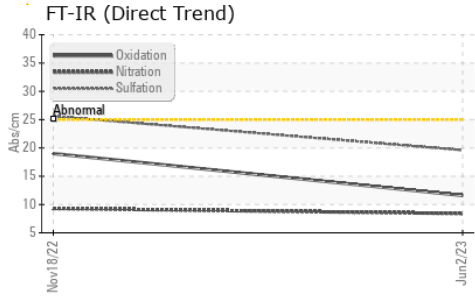
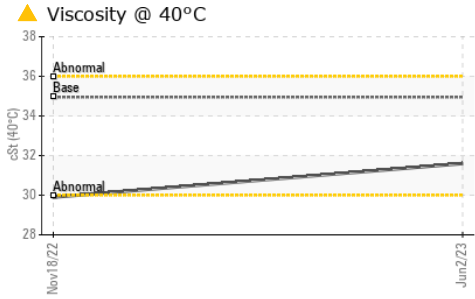
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>150	8	20	---
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	---
Nickel	ppm	ASTM D5185(m)	>5	0	0	---
Titanium	ppm	ASTM D5185(m)		<1	<1	---
Silver	ppm	ASTM D5185(m)	>2	0	0	---
Aluminum	ppm	ASTM D5185(m)	>40	19	24	---
Lead	ppm	ASTM D5185(m)	>50	0	<1	---
Copper	ppm	ASTM D5185(m)	>155	6	23	---
Tin	ppm	ASTM D5185(m)	>10	0	<1	---
Antimony	ppm	ASTM D5185(m)		<1	0	---
Vanadium	ppm	ASTM D5185(m)		<1	<1	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		128	141	---
Barium	ppm	ASTM D5185(m)		0	2	---
Molybdenum	ppm	ASTM D5185(m)		134	514	---
Manganese	ppm	ASTM D5185(m)		2	6	---
Magnesium	ppm	ASTM D5185(m)		440	74	---
Calcium	ppm	ASTM D5185(m)		1319	1625	---
Phosphorus	ppm	ASTM D5185(m)		710	644	---
Zinc	ppm	ASTM D5185(m)		721	661	---
Sulfur	ppm	ASTM D5185(m)		2370	2048	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>30	35	125	---
Sodium	ppm	ASTM D5185(m)	>400	3	12	---
Potassium	ppm	ASTM D5185(m)	>20	4	8	---
Fuel	%	ASTM D7593*	>4.0	▲ 6.7	▲ 4.2	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	8.4	9.3	---
Sulfation	Abs.1mm	ASTM D7415*	>30	19.6	25.6	---

OIL ANALYSIS REPORT

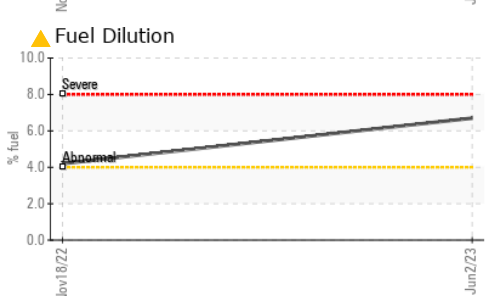
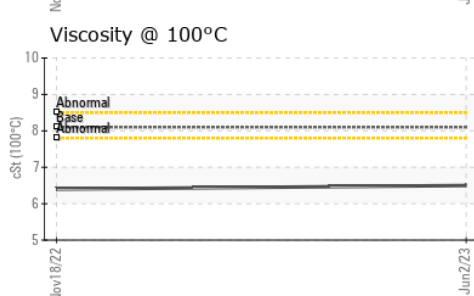
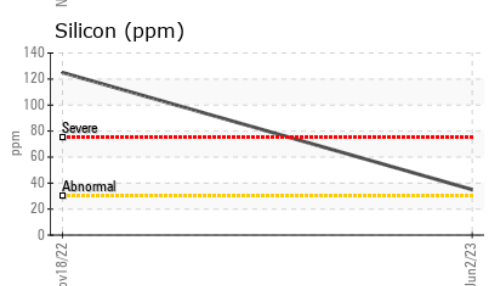
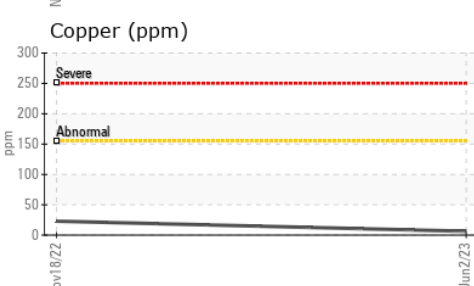
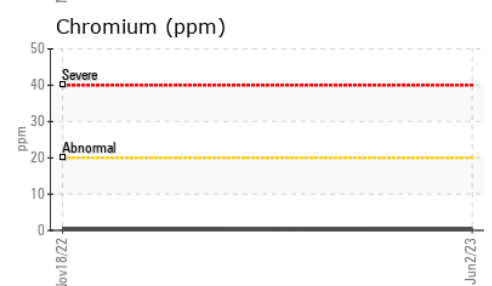
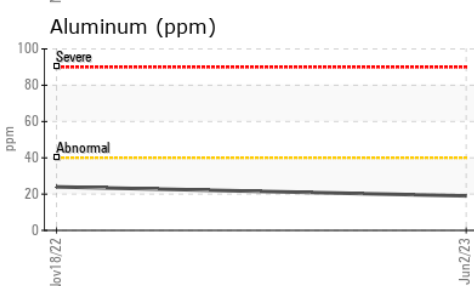
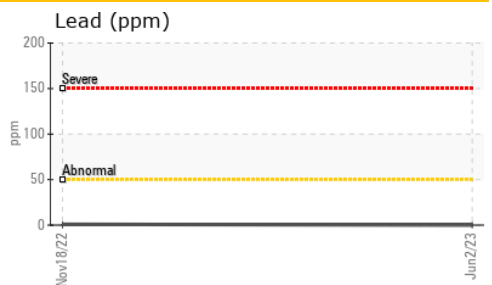
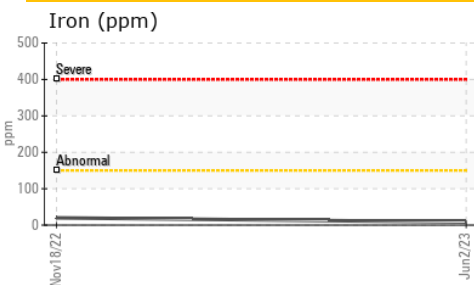


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	11.6	19.0	---

VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---
Free Water	scalar	Visual*		NEG	NEG	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	34.95	▲ 31.6	▲ 29.9	---
Visc @ 100°C	cSt	ASTM D7279(m)	8.101	6.5	▲ 6.4	---
Viscosity Index (VI)	Scale	ASTM D2270*	217	▲ 165	▲ 174	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0010928 **Received** : 13 Jun 2023
Lab Number : **02563820** **Tested** : 14 Jun 2023
Unique Number : 5592861 **Diagnosed** : 14 Jun 2023 - Kevin Marson
Test Package : MOB 1 (Additional Tests: KV40, PercentFuel, VI)

BRIAN WHITE
 4 CARLINA COURT
 HALIFAX, NS
 CA B3S 1N4
 Contact: Brian White
 carlina8250@gmail.com

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.