



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
CIVIC 2010 17-LAVN-01-001-M (S/N 2HGFA1F44AH032312)

Component
HONDA 1.8L Front Gasoline Engine

Fluid
PETRO CANADA SUPREME SYNTHETIC 5W-20 (4 LTR)

#4 #3 #1

RECOMMENDATION

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend that you drain the oil from the component if this has not already been done. We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number				WC110371	WC104920	WC994125
Sample Date				09 Feb 2018	03 Nov 2017	15 Jul 2017
Machine Age	kms			325601	311030	300101
Oil Age	kms			41415	26844	15915
Filter Age	kms			41415	26844	15915
Oil Changed				Not Changed	Not Changd	Not Changd
Filter Changed				Not Changed	Not Changed	Not Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185	>150	24	12	6
Chromium	ppm	ASTM D5185	>20	<1	<1	<1
Nickel	ppm	ASTM D5185	>5	<1	0	0
Titanium	ppm	ASTM D5185		<1	0	0
Silver	ppm	ASTM D5185	>2	0	0	0
Aluminum	ppm	ASTM D5185	>40	9	5	4
Lead	ppm	ASTM D5185	>50	<1	<1	0
Copper	ppm	ASTM D5185	>155	1	<1	<1
Tin	ppm	ASTM D5185	>10	0	0	0
Vanadium	ppm	ASTM D5185		<1	<1	<1

CONTAMINATION

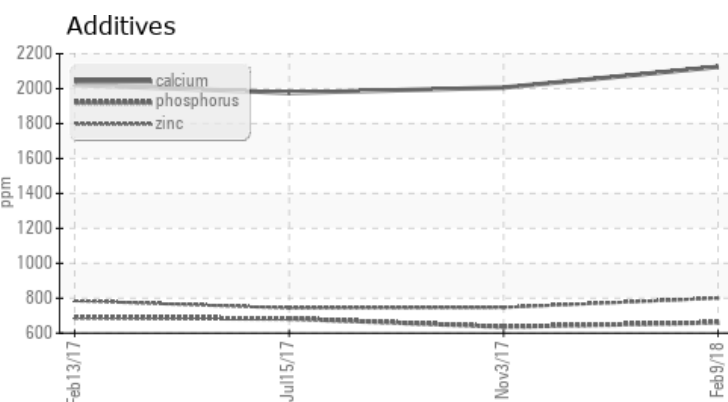
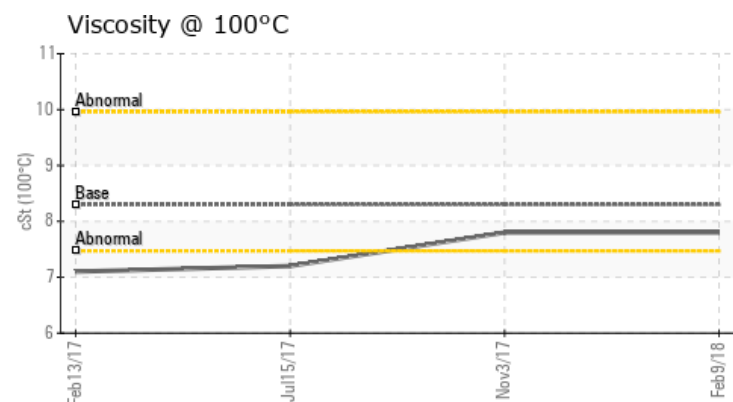
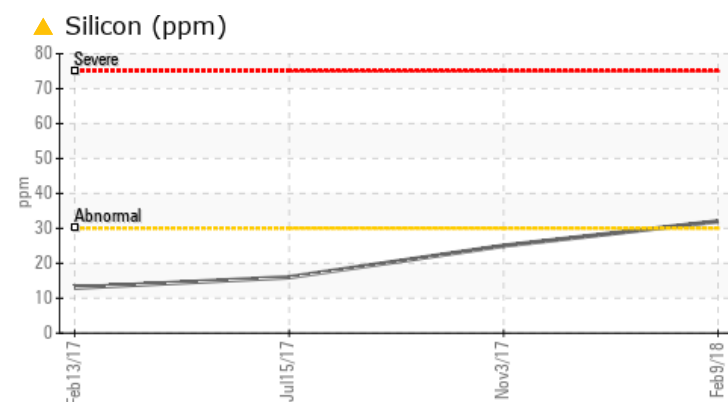
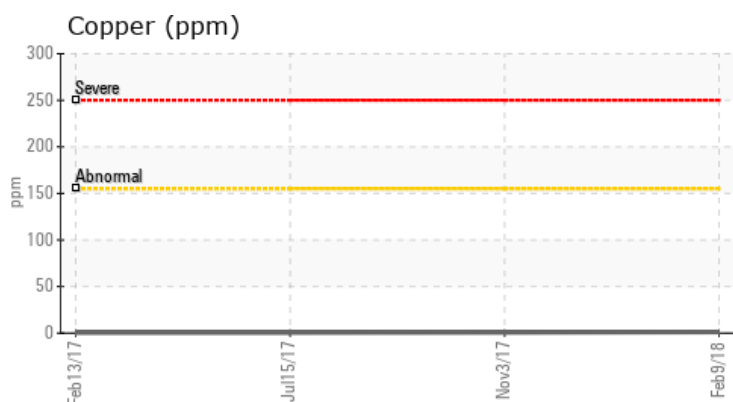
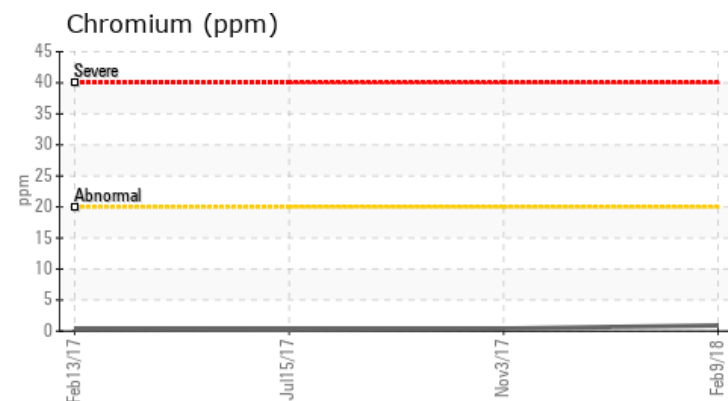
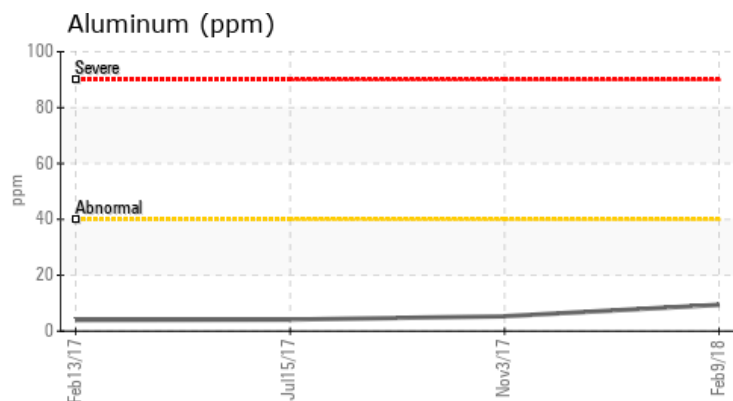
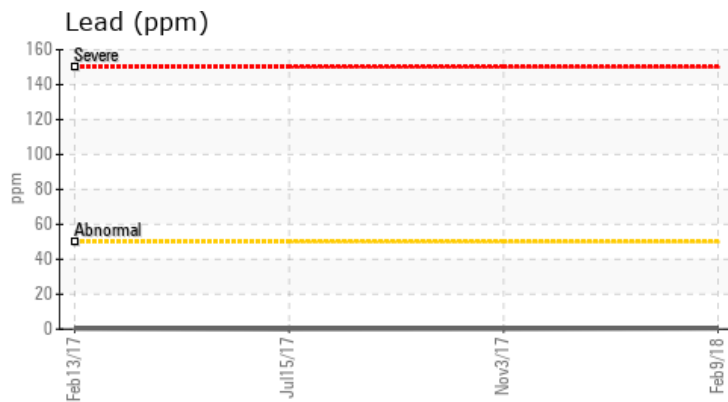
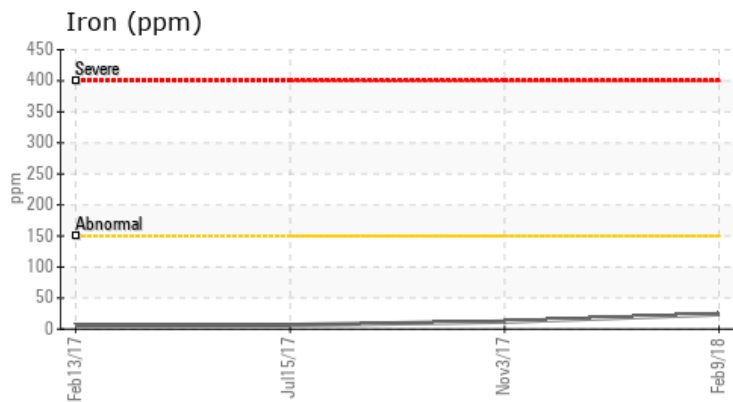
There is a moderate concentration of dirt present in the oil.

Silicon	ppm	ASTM D5185	>30	▲ 32	25	16
Potassium	ppm	ASTM D5185	>20	2	1	<1
Fuel		ASTM D3524	>4.0	<1.0	<1.0	<1.0
Glycol		ASTM D2982		NEG	NEG	NEG
Soot %	%	ASTM D7686		0	0	0
Nitration	Abs/cm	ASTM D7624	>25	17.7	15.8	12.9
Sulfation	Abs/.1mm	ASTM D7415	>35	35.0	35.8	28.5
Emulsified Water	scalar	Visual	>0.2	NEG	NEG	NEG

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185		9	8	7
Boron	ppm	ASTM D5185	230	31	28	45
Barium	ppm	ASTM D5185		0	0	0
Molybdenum	ppm	ASTM D5185	79	110	111	112
Manganese	ppm	ASTM D5185		<1	<1	<1
Magnesium	ppm	ASTM D5185		33	33	32
Calcium	ppm	ASTM D5185	2110	2125	2006	1976
Phosphorus	ppm	ASTM D5185	770	661	636	683
Zinc	ppm	ASTM D5185	870	800	747	743
Sulfur	ppm	ASTM D5185	2870	2544	2527	2538
Oxidation	Abs/.1mm	ASTM D7414	>25	30.1	24.7	17.3
Visc @ 100°C	cSt	ASTM D7279	8.3	7.8	7.8	7.2



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC110371
Lab Number : 02198628
Unique Number : 4641745
Test Package : MOB 1
Received : 14 Feb 2018
Diagnosed : 20 Feb 2018
Diagnostician : Kevin Marson

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To discuss diagnosis or test data, contact Technical Support at 1-800-268-2131.
 To change component or sample information, contact Customer Service at 1-800-268-2131.