



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
HONDA ACCORD HYBRID 18-GROR-01-001-M (S/N JHMCR6F77HC300006)

Component
Front Gasoline Engine

Fluid
HONDA 0W20 (5 LTR)

PRODUIT : ZP-500 ADDITIF CARBURANT - Cas d'étude Auto #103a / 1de1



RECOMMENDATION

*Texte & Soulignement
en bleu par Adrenalube*

Resample at the next service interval to monitor. No other corrective action is recommended at this time.

Commentaires :

History 1 : Présence de carburant dans l'huile (injecteur(s) encrassé(s)).

Current : Présence d'une faible dilution par le carburant dans l'huile.

Possibilité d'une présence résiduelle. Nette amélioration.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number				WC0323764	WC113767	---
Sample Date				03 Jun 2019	15 Nov 2018	---
Machine Age	kms			62341	49003	---
Oil Age	kms			13338	18803	---
Filter Age	kms			13338	18803	---
Oil Changed				Changed	Changed	---
Filter Changed				Changed	Changed	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

History 1 & Current :

Taux des métaux d'usure acceptables.

Concentrations des métaux d'usure acceptables.

Iron	ppm	ASTM D5185	>150	17	14	---
Chromium	ppm	ASTM D5185	>20	<1	<1	---
Nickel	ppm	ASTM D5185	>5	0	0	---
Titanium	ppm	ASTM D5185		0	0	---
Silver	ppm	ASTM D5185	>2	0	0	---
Aluminum	ppm	ASTM D5185	>40	10	10	---
Lead	ppm	ASTM D5185	>50	<1	<1	---
Copper	ppm	ASTM D5185	>155	1	2	---
Tin	ppm	ASTM D5185	>10	0	0	---
Vanadium	ppm	ASTM D5185		<1	<1	---
White Metal	scalar	Visual	NONE	VLITE	---	---
Babbitt	scalar	Visual	NONE	NONE	---	---

CONTAMINATION

Light fuel dilution occurring. No other contaminants were detected in the oil.

History 1 : Contamination externe inacceptable. présence de carburant dans l'huile.

Current : Contamination externe acceptable.

Silicon	ppm	ASTM D5185	>30	8	12	---
Potassium	ppm	ASTM D5185	>20	1	<1	---
Fuel	%	ASTM D3524	>4.0	1.6	5.9	---
Glycol		ASTM D2982		NEG	NEG	---
Soot %	%	ASTM D7686		0	0	---
Nitration	Abs/cm	ASTM D7624	>20	13.0	12.4	---
Sulfation	Abs/1mm	ASTM D7415	>30	24.2	23.3	---
Silt	scalar	Visual	NONE	NONE	---	---
Debris	scalar	Visual	NONE	NONE	---	---
Sand/Dirt	scalar	Visual	NONE	NONE	---	---
Appearance	scalar	Visual	NORML	NORML	---	---
Odor	scalar	Visual	NORML	NORML	---	---
Emulsified Water	scalar	Visual	>0.2	NEG	NEG	---

FLUID CONDITION

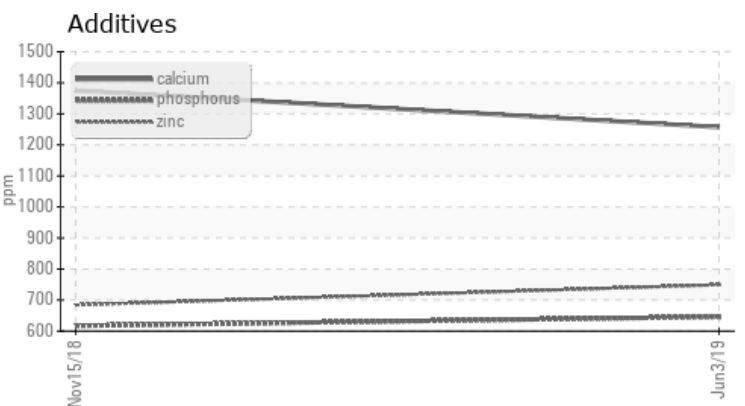
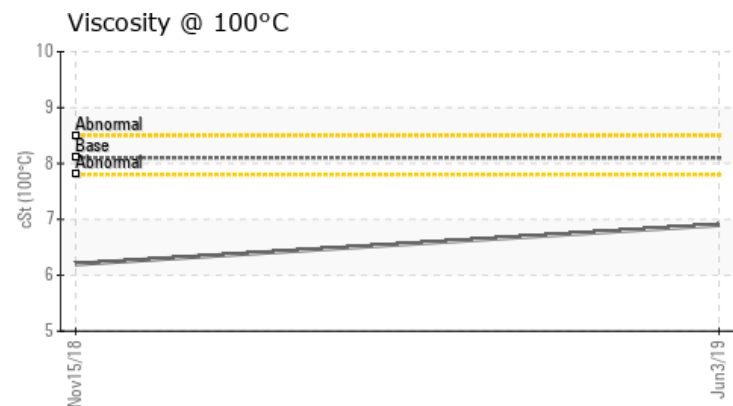
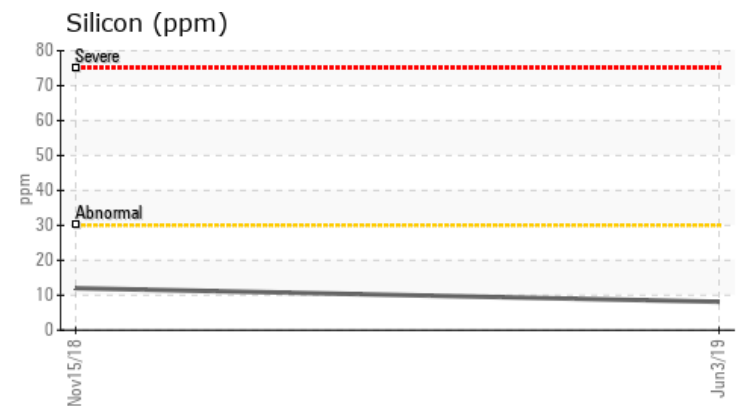
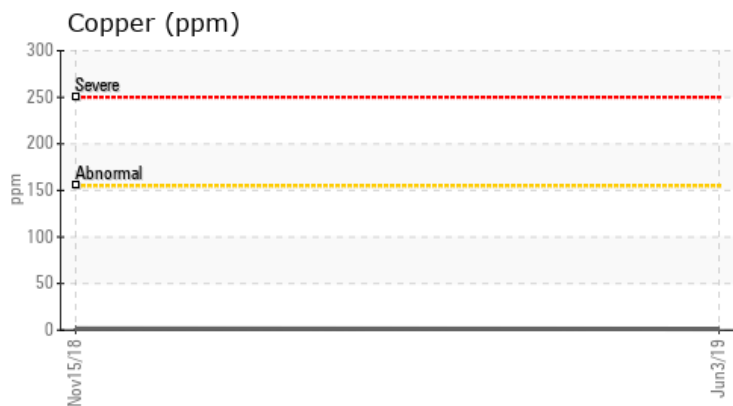
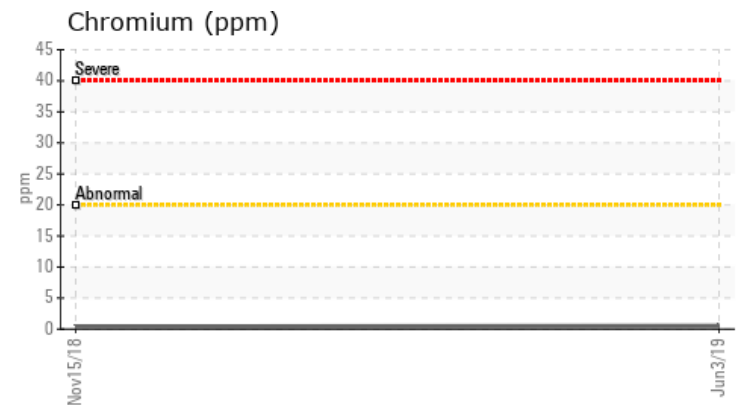
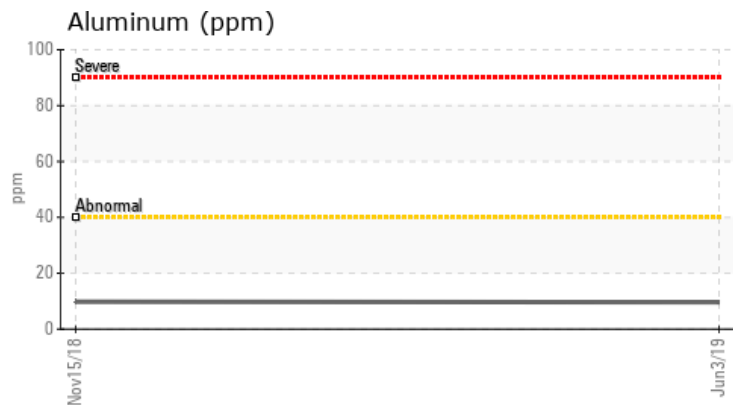
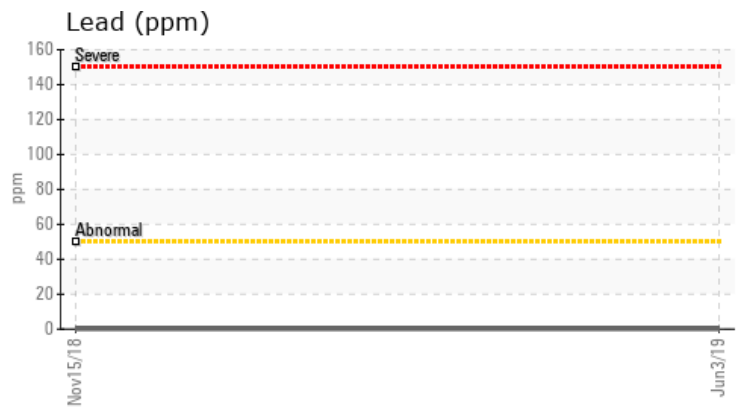
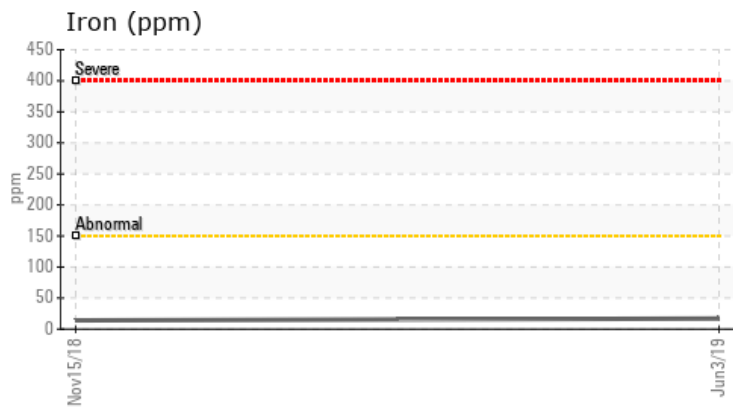
The condition of the oil is acceptable for the time in service.

History 1 : État de l'huile inacceptable à cause de la contamination par le carburant.

Current : État de l'huile acceptable.

NOTE : À la lecture du résultat d'analyse du 15 nov, le ZP-500 a été ajouté à l'essence, (30ml / 1 oz. pour 45 litres, 1 fois à tous les 2 remplissages.

Sodium	ppm	ASTM D5185	>400	5	3	---
Boron	ppm	ASTM D5185		52	54	---
Barium	ppm	ASTM D5185		0	0	---
Molybdenum	ppm	ASTM D5185		131	71	---
Manganese	ppm	ASTM D5185		1	1	---
Magnesium	ppm	ASTM D5185		455	301	---
Calcium	ppm	ASTM D5185		1257	1375	---
Phosphorus	ppm	ASTM D5185		646	617	---
Zinc	ppm	ASTM D5185		749	684	---
Sulfur	ppm	ASTM D5185		2554	2306	---
Oxidation	Abs/1mm	ASTM D7414	>25	15.7	15.2	---
Visc @ 100°C	cSt	ASTM D7279	8.101	6.9	6.2	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0323764 **Received** : 07 Jun 2019
Lab Number : 02289669 **Diagnosed** : 11 Jun 2019
Unique Number : 4876930 **Diagnostician** : Bill Quesnel
Test Package : MOB 1 (Additional Tests: PercentFuel, Visual)

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 To change component or sample information, contact Customer Service at 1-800-268-2131.