



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**DODGE JOURNEY 2010 16-LARR-01-001-M (S/N 3D4PG5FV9A7210937)**

Component  
**ENGINE V6 3.5L Front Gasoline Engine**

Fluid  
**CASTROL 10W30 (5 LTR)**

**PRODUIT : ZP-700 ADDITIF MOTEUR - Cas d'étude Auto #101b / 2de2**



## RECOMMENDATION

*Texte & Soulignement en bleu par Adrenalube*

Resample at the next service interval to monitor.

### Commentaires :

*Ce véhicule tire une remorque de 1500kg 75% du temps.*

*Cédule de changement d'huile 8000km (avant).*

*Le dernier changement d'huile a été fait le 10 août 2016, et 200ml de ZP-700 a été ajouté.*

## WEAR

All component wear rates are normal.

**Current : Contamination externe acceptable.**

## CONTAMINATION

There is no indication of any contamination in the oil.

**Current : Taux d'usure acceptables pour les heures d'opérations.**

**Concentrations des métaux d'usure acceptable.**

## FLUID CONDITION

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

**Current : État de l'huile acceptable.**

**L'huile approche de sa limite pour l'oxydation.**

**L'historique indique que 50 000 kilomètres est un intervalle de changement d'huile acceptable avec le traitement ZP-700.**

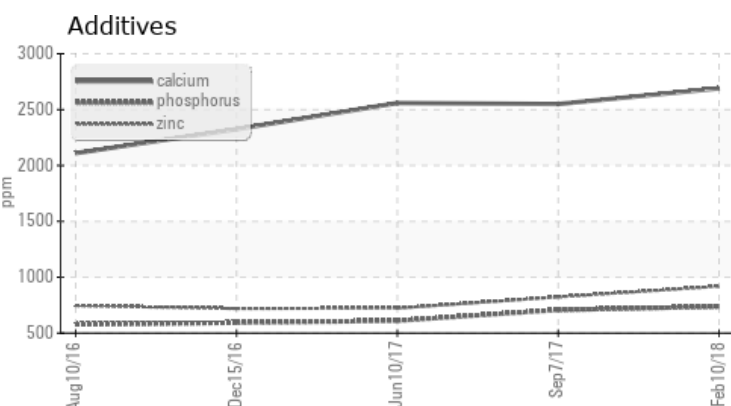
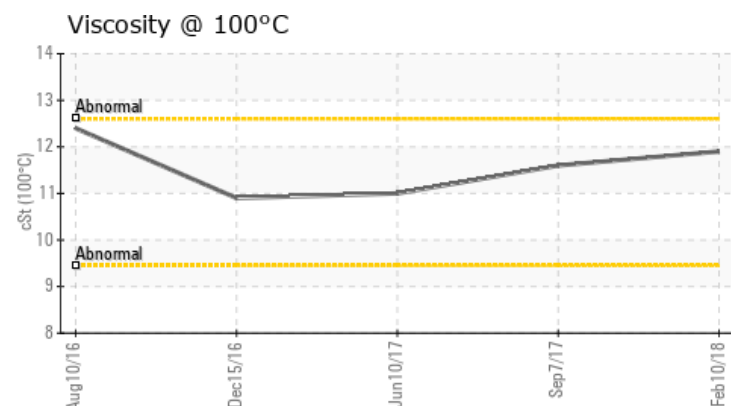
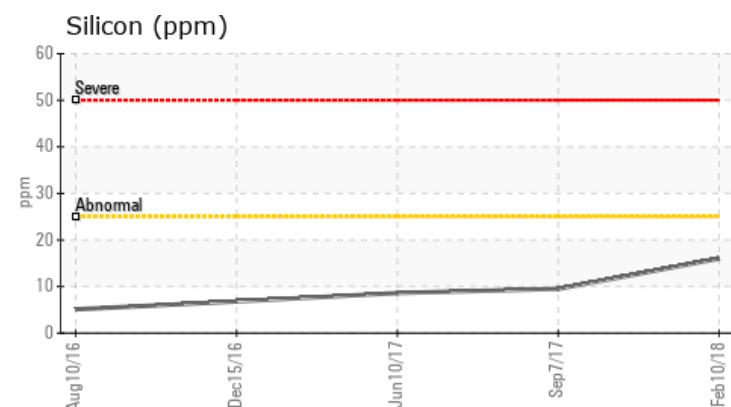
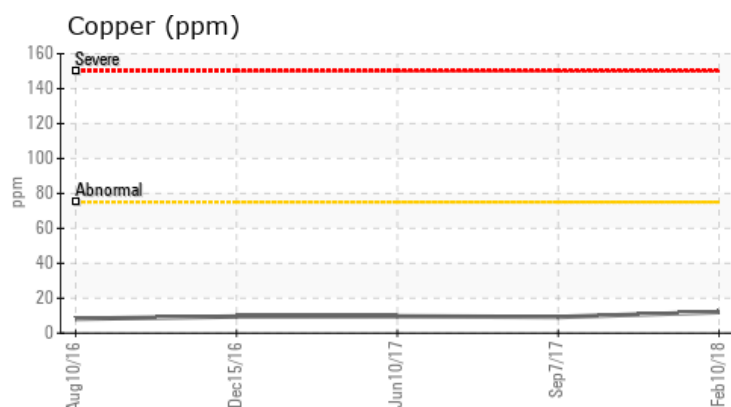
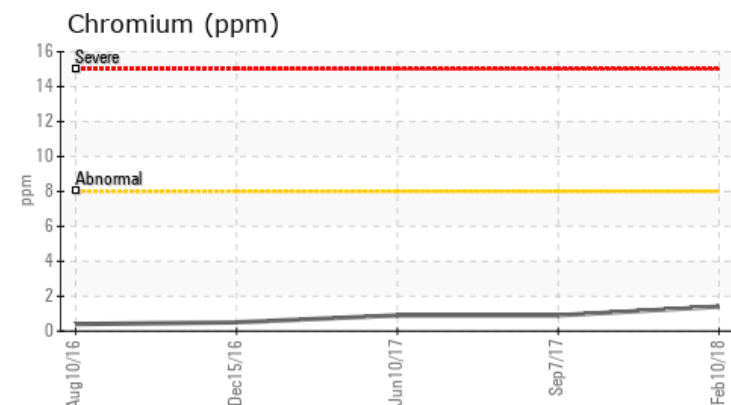
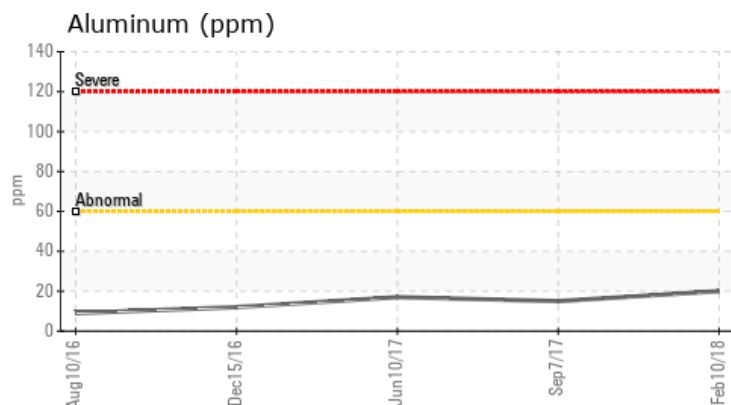
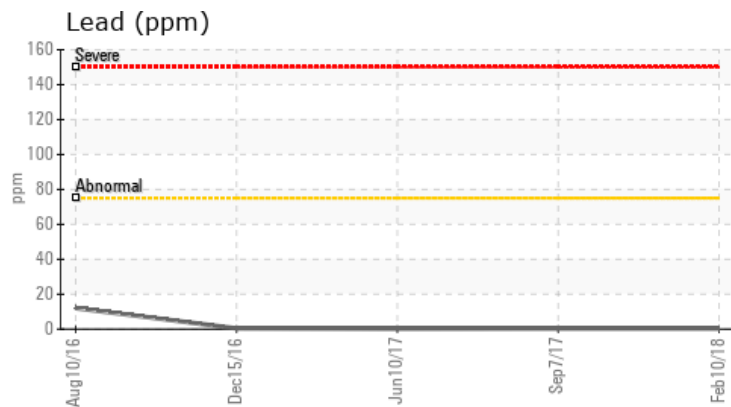
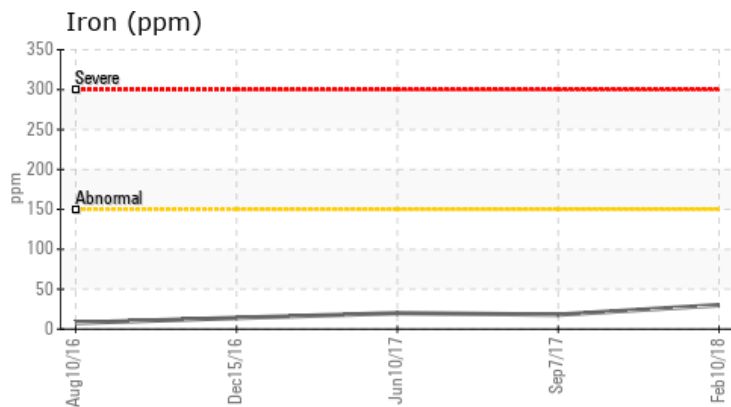
**Échantillonnez de nouveau 45 000 kilomètres après le changement d'huile et traitement.**

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number				<b>WC110372</b>	WC103204	WC990731
Sample Date				<b>10 Feb 2018</b>	07 Sep 2017	10 Jun 2017
Machine Age	kms			<b>253916</b>	243027	233575
Oil Age	kms			<b>49044</b>	38155	28703
Filter Age	kms			<b>49044</b>	38155	28703
Oil Changed				<b>Not Changed</b>	Not Changd	Not Changd
Filter Changed				<b>Not Changed</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

Iron	ppm	ASTM D5185	>150	<b>30</b>	18	20
Chromium	ppm	ASTM D5185	>8	<b>1.4</b>	0.9	0.9
Manganese	ppm	ASTM D5185		<b>0.5</b>	0.4	0.4
Nickel	ppm	ASTM D5185	>5	<b>1.4</b>	0.4	0.3
Titanium	ppm	ASTM D5185		<b>0.3</b>	0.2	0.1
Silver	ppm	ASTM D5185		<b>0.0</b>	0.0	0.0
Aluminum	ppm	ASTM D5185	>60	<b>20</b>	15	17
Lead	ppm	ASTM D5185	>75	<b>0.3</b>	0.3	0.2
Copper	ppm	ASTM D5185	>75	<b>12</b>	9.2	9.6
Tin	ppm	ASTM D5185	>15	<b>0.1</b>	0.0	0.1
Vanadium	ppm	ASTM D5185		<b>0.3</b>	0.2	0.2

Silicon	ppm	ASTM D5185	>25	<b>16</b>	9.5	8.6
Potassium	ppm	ASTM D5185	>20	<b>1.6</b>	1.0	0.6
Fuel		ASTM D3524	>4.0	<b>&lt;1.0</b>	<1.0	<1.0
Glycol		ASTM D2982		<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7686		<b>0</b>	0	0
Nitration (PA)	%	ASTM D7624	>100	<b>72</b>	65	61
Sulfation (PA)	%	ASTM D7415	>100	<b>82</b>	79	74
Emulsified Water	scalar	Visual	>0.1	<b>NEG</b>	NEG	NEG

Sodium	ppm	ASTM D5185		<b>7.5</b>	5.8	6.2
Boron	ppm	ASTM D5185		<b>34</b>	36	37
Barium	ppm	ASTM D5185		<b>0.0</b>	0.1	0.1
Molybdenum	ppm	ASTM D5185		<b>161</b>	105	122
Magnesium	ppm	ASTM D5185		<b>15</b>	12	12
Calcium	ppm	ASTM D5185		<b>2690</b>	2550	2559
Phosphorus	ppm	ASTM D5185		<b>737</b>	707	610
Zinc	ppm	ASTM D5185		<b>919</b>	823	723
Sulfur	ppm	ASTM D5185		<b>2429</b>	2304	2333
Oxidation (PA)	%	ASTM D7414	>100	<b>98</b>	75	69
Visc @ 100°C	cSt	ASTM D7279		<b>11.9</b>	11.6	11.0



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC110372  
**Lab Number** : 02198627  
**Unique Number** : 4641744  
**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.