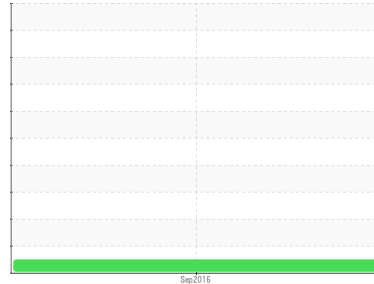




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**MASTER**  
 Component  
**Oil**  
 Fluid  
**{not provided} (--- GAL)**

## DIAGNOSIS

### Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. This is a baseline read-out on the submitted sample. Please provide more complete information on your next sample.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PP</b>	---	---
Sample Date	Client Info		<b>02 Sep 2016</b>	---	---
Machine Age	cyc Client Info		<b>0</b>	---	---
Oil Age	cyc Client Info		<b>0</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method		<b>NEG</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m)	>20	<b>1</b>	---	---
Chromium	ppm ASTM D5185(m)	>20	<b>0</b>	---	---
Nickel	ppm ASTM D5185(m)	>20	<b>0</b>	---	---
Titanium	ppm ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm ASTM D5185(m)		<b>0</b>	---	---
Aluminum	ppm ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Lead	ppm ASTM D5185(m)	>20	<b>0</b>	---	---
Copper	ppm ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Tin	ppm ASTM D5185(m)	>20	<b>0</b>	---	---
Antimony	ppm ASTM D5185(m)		<b>0</b>	---	---
Vanadium	ppm ASTM D5185(m)		<b>0</b>	---	---
Beryllium	ppm ASTM D5185(m)		<b>0</b>	---	---
Cadmium	ppm ASTM D5185(m)		<b>0</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)		<b>145</b>	---	---
Barium	ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Molybdenum	ppm ASTM D5185(m)		<b>0</b>	---	---
Manganese	ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Magnesium	ppm ASTM D5185(m)		<b>105</b>	---	---
Calcium	ppm ASTM D5185(m)		<b>557</b>	---	---
Phosphorus	ppm ASTM D5185(m)		<b>378</b>	---	---
Zinc	ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Sulfur	ppm ASTM D5185(m)		<b>1730</b>	---	---
Lithium	ppm ASTM D5185(m)		<b>&lt;1</b>	---	---

## CONTAMINANTS

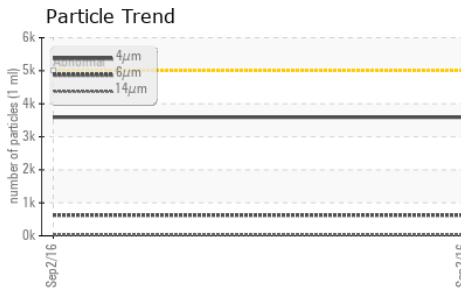
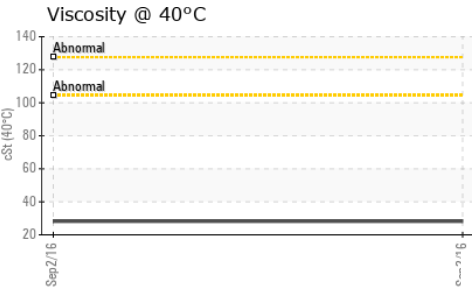
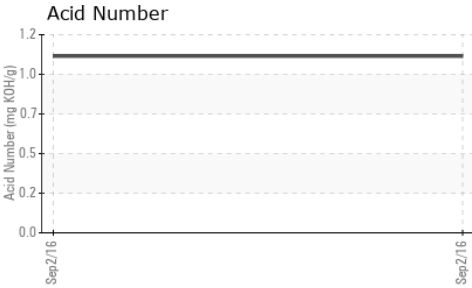
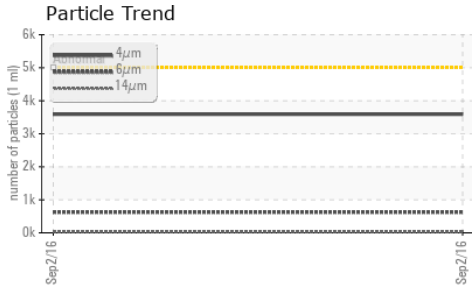
	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m)	>15	<b>6</b>	---	---
Sodium	ppm ASTM D5185(m)		<b>5</b>	---	---
Potassium	ppm ASTM D5185(m)	>20	<b>0</b>	---	---

## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	<b>3590</b>	---	---
Particles >6µm	ASTM D7647	>1300	<b>626</b>	---	---
Particles >14µm	ASTM D7647	>160	<b>26</b>	---	---
Particles >21µm	ASTM D7647	>40	<b>4</b>	---	---
Particles >38µm	ASTM D7647	>10	<b>0</b>	---	---
Particles >71µm	ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>19/16/12</b>	---	---



# OIL ANALYSIS REPORT



FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	<b>1.07</b>	---	---

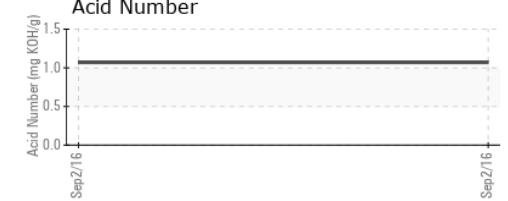
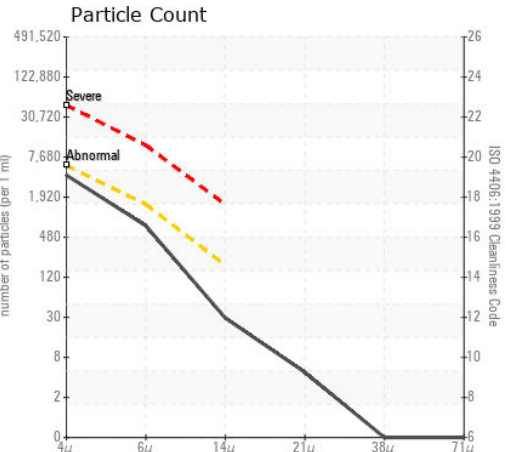
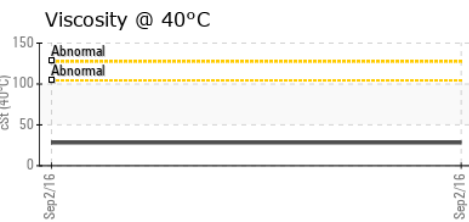
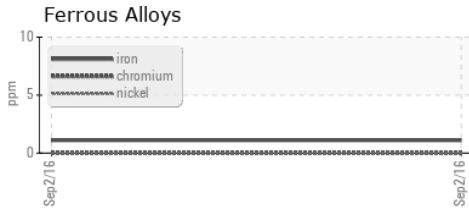
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	NEG	---	---
Free Water	scalar	Visual*	NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	<b>28.2</b>	---	---

## SAMPLE IMAGES

method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PP **Received** : 07 Sep 2016  
**Lab Number** : **02096044** **Tested** : 09 Sep 2016  
**Unique Number** : 4378387 **Diagnosed** : 12 Sep 2016 - Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: PrtCount )

**Magna Powertrain – Ramos Arizpe**  
 Calle Uno No. 104, Parque Industria, Ramos Arizpe  
 Coahuila, ZZ  
 MX 25903  
 Contact: Julio Hernandez  
 julio.hernandeznavarro@magna.com  
 T: (844)438-0200  
 F: (844)255-3598

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.