

# OIL ANALYSIS REPORT

## Sample Rating Trend



## VISCOSITY



Machine Id  
**DODGE RAP FEEDER 2**  
 Component  
**Gearbox**  
 Fluid  
**PETRO CANADA 220 (--- GAL)**

### DIAGNOSIS

#### ● Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

#### ● Fluid Condition

The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0087850</b>	---	---
Sample Date	Client Info		<b>04 Mar 2024</b>	---	---
Machine Age	yrs	Client Info	<b>4</b>	---	---
Oil Age	yrs	Client Info	<b>2</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>ATTENTION</b>	---	---

### CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	<b>NEG</b>	---	---

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	<b>0</b>	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---
Silver	ppm	ASTM D5185m		<b>0</b>	---
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	---
Lead	ppm	ASTM D5185m	>50	<b>0</b>	---
Copper	ppm	ASTM D5185m	>200	<b>0</b>	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>21</b>	---
Barium	ppm	ASTM D5185m		<b>0</b>	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	---
Magnesium	ppm	ASTM D5185m		<b>549</b>	---
Calcium	ppm	ASTM D5185m		<b>669</b>	---
Phosphorus	ppm	ASTM D5185m		<b>585</b>	---
Zinc	ppm	ASTM D5185m		<b>570</b>	---
Sulfur	ppm	ASTM D5185m		<b>3624</b>	---

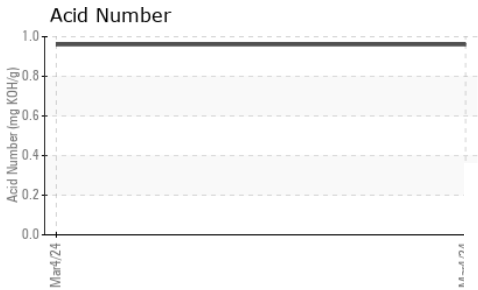
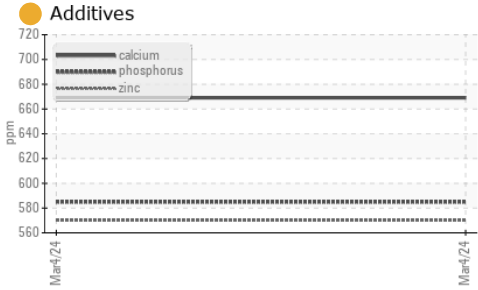
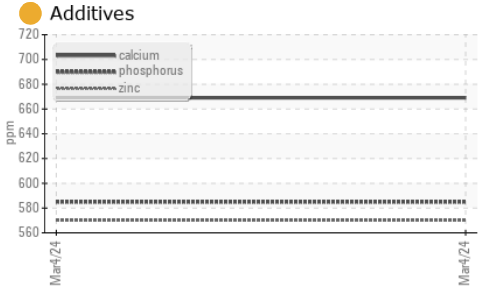
### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>15</b>	---
Sodium	ppm	ASTM D5185m		<b>10</b>	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	---

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.96</b>	---



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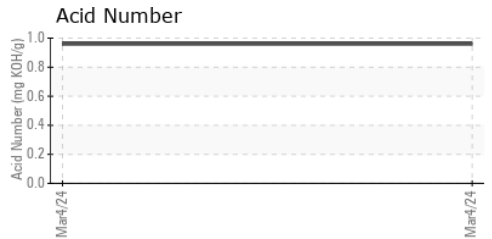
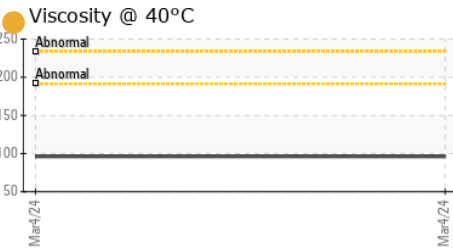
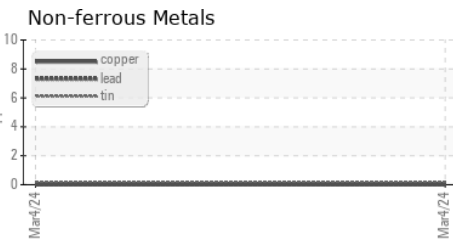
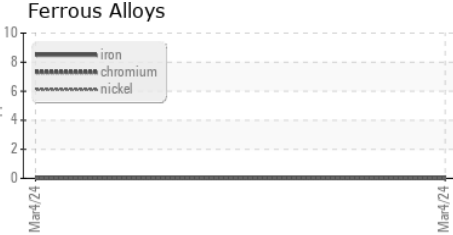
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	● 96.1	---	---

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0087850      **Received** : 08 Apr 2024  
**Lab Number** : 06142382      **Tested** : 11 Apr 2024  
**Unique Number** : 10967190      **Diagnosed** : 11 Apr 2024 - Don Baldrige  
**Test Package** : IND 2

**KARTECHNERS**  
 N11829 COUNTY RD I  
 WAUPUN, WI  
 US 53963

To discuss this sample report, contact Customer Service at 1-800-237-1369.  
 \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.  
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact: DAVE KARTECHNER  
 dave@kartechnerbrothers.com  
 T: (920)324-2874  
 F: