

# OIL ANALYSIS REPORT

Area

**LINE 6**

Machine Id

**[LINE 6] L6 WRAPPER 18 L6 WRAPPER 18**

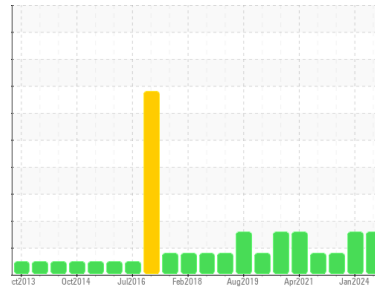
Component

**Gearbox**

Fluid

**PETRO CANADA PURITY FG EP GEAR OIL 220 (--- GAL)**

Sample Rating Trend



**WEAR**



## DIAGNOSIS

### ▲ Recommendation

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

### ▲ Wear

The aluminum level is abnormal. All other component wear rates are normal.

### ● Contamination

Appearance is milky. There is no indication of any contamination in the oil.

### Fluid Condition

Confirm oil type. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PCA0122310</b>	PCA0111069	PCA0080343
Sample Date	Client Info			<b>17 Apr 2024</b>	31 Jan 2024	02 Dec 2022
Machine Age	hrs	Client Info		<b>0</b>	3000	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

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

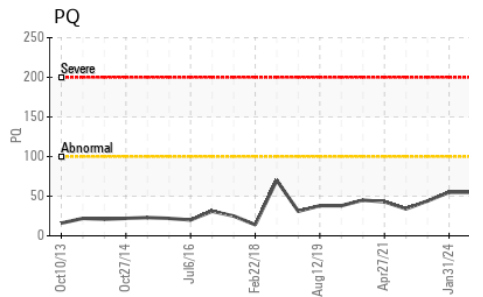
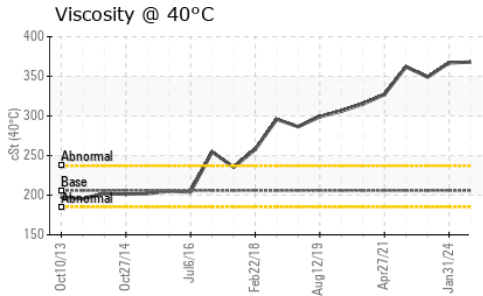
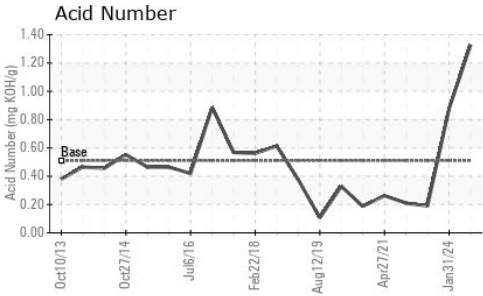
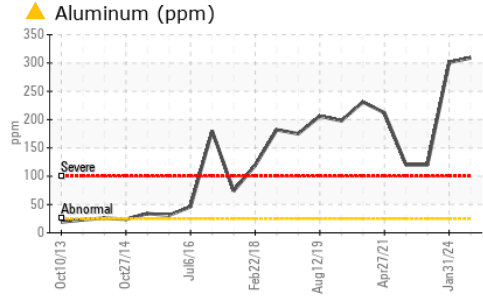
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		<b>55</b>	55	44
Iron	ppm	ASTM D5185m	>200	<b>59</b>	56	49
Chromium	ppm	ASTM D5185m	>15	<b>2</b>	<1	1
Nickel	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>▲ 309</b>	▲ 301	▲ 120
Lead	ppm	ASTM D5185m	>100	<b>&lt;1</b>	0	1
Copper	ppm	ASTM D5185m	>200	<b>9</b>	8	9
Tin	ppm	ASTM D5185m	>25	<b>1</b>	<1	1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>17</b>	22	17
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m		<b>11</b>	8	12
Calcium	ppm	ASTM D5185m		<b>4936</b>	4510	4610
Phosphorus	ppm	ASTM D5185m		<b>600</b>	549	571
Zinc	ppm	ASTM D5185m		<b>2098</b>	2049	1896
Sulfur	ppm	ASTM D5185m		<b>2049</b>	1745	1945

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>29</b>	27	24
Sodium	ppm	ASTM D5185m		<b>6</b>	2	4
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	1	0

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.51	<b>1.328</b>	0.878	0.19

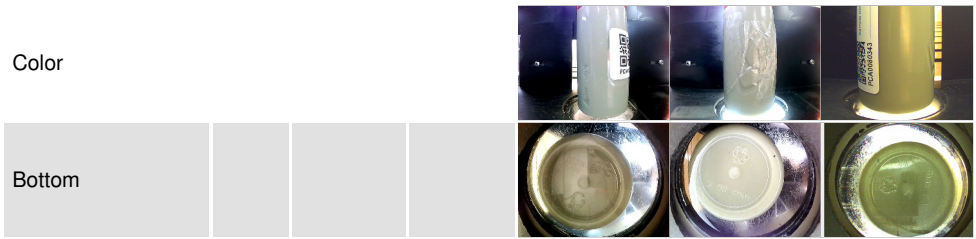
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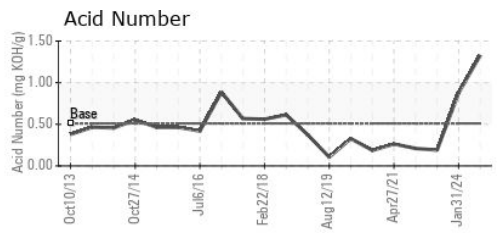
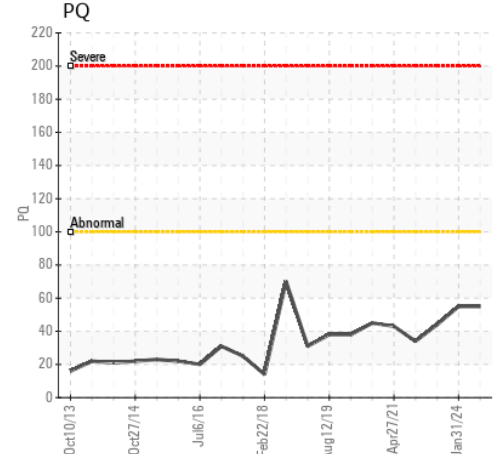
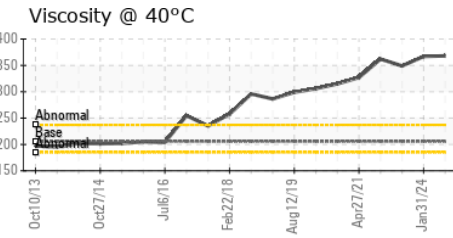
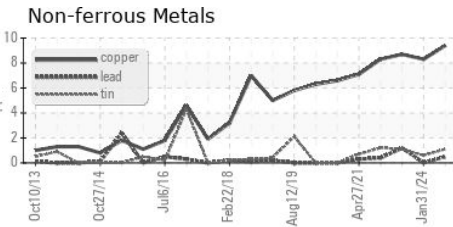
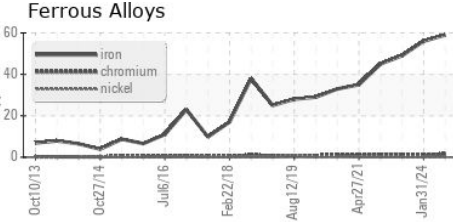
PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	205.8	368	367

### SAMPLE IMAGES



### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0122310 **Received** : 19 Apr 2024  
**Lab Number** : 06154578 **Tested** : 22 Apr 2024  
**Unique Number** : 10990001 **Diagnosed** : 23 Apr 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: PQ )

**THE HERSHEY COMPANY**  
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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)