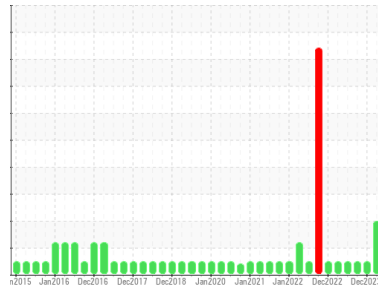




# OIL ANALYSIS REPORT

Sample Rating Trend



## VISCOSITY



Area  
**RP-101**  
 Machine Id  
**B57005 COOKER FEED SCREW**  
 Component  
**Gearbox**  
 Fluid  
**PETRO CANADA ENDURATEX EP 320 (--- GAL)**

### DIAGNOSIS

#### ● Recommendation

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

#### Wear

All component wear rates are normal.

#### ● Contamination

There is a moderate amount of particulates present in the oil.

#### ▲ Fluid Condition

The oil viscosity is higher than normal. The AN level is acceptable for this fluid.

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0894935</b>	WC0872446	WC0842550
Sample Date	Client Info		<b>25 Mar 2024</b>	06 Dec 2023	27 Sep 2023
Machine Age	mths	Client Info	<b>0</b>	0	0
Oil Age	mths	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>ATTENTION</b>	NORMAL	NORMAL

### 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	
Iron	ppm	ASTM D5185m	>200	<b>8</b>	20	18
Chromium	ppm	ASTM D5185m	>15	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	3	0
Lead	ppm	ASTM D5185m	>100	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>200	<b>4</b>	3	0
Tin	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

### ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	55	<b>12</b>	41	38
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m	0	<b>0</b>	1	<1
Calcium	ppm	ASTM D5185m	0	<b>0</b>	4	3
Phosphorus	ppm	ASTM D5185m	240	<b>245</b>	483	417
Zinc	ppm	ASTM D5185m	1	<b>65</b>	16	31
Sulfur	ppm	ASTM D5185m	13700	<b>4381</b>	6368	5839

### CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>50	<b>&lt;1</b>	13	13
Sodium	ppm	ASTM D5185m		<b>2</b>	0	1
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	2	2

### FLUID CLEANLINESS

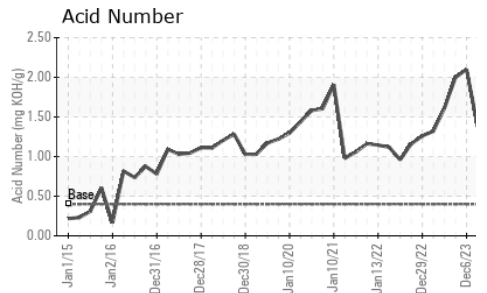
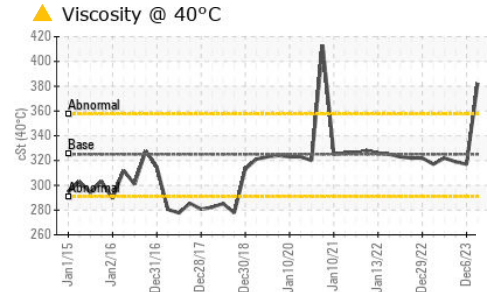
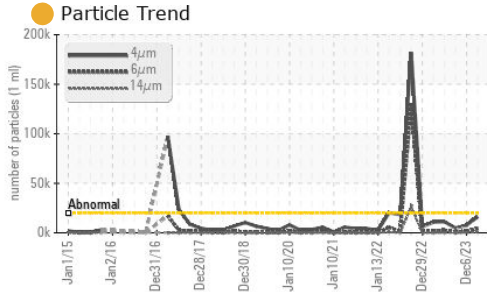
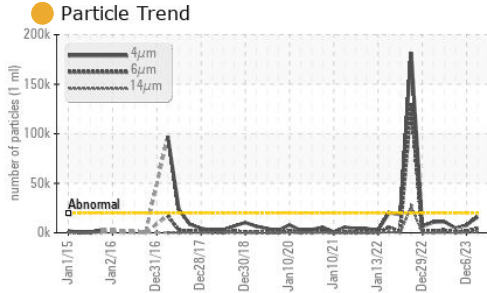
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>20000	<b>16181</b>	7700	4732
Particles >6µm	ASTM D7647	>5000	<b>4277</b>	1452	760
Particles >14µm	ASTM D7647	>640	● <b>783</b>	97	31
Particles >21µm	ASTM D7647	>160	● <b>334</b>	22	7
Particles >38µm	ASTM D7647	>40	● <b>44</b>	1	1
Particles >71µm	ASTM D7647	>10	<b>5</b>	0	1
Oil Cleanliness	ISO 4406 (c)	>21/19/16	● <b>21/19/17</b>	20/18/14	19/17/12

### FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	<b>1.38</b>	2.10	2.00



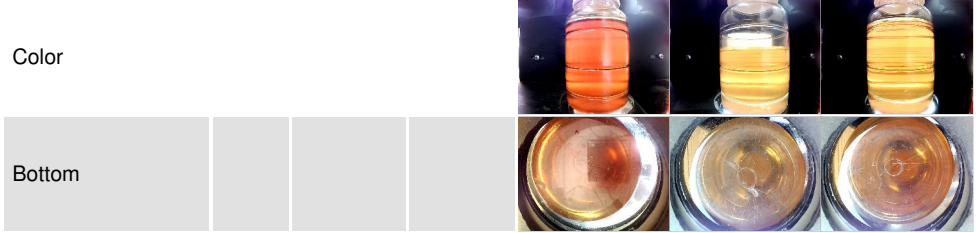
# OIL ANALYSIS REPORT



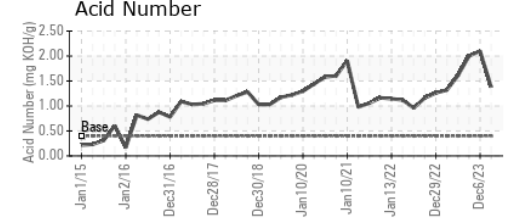
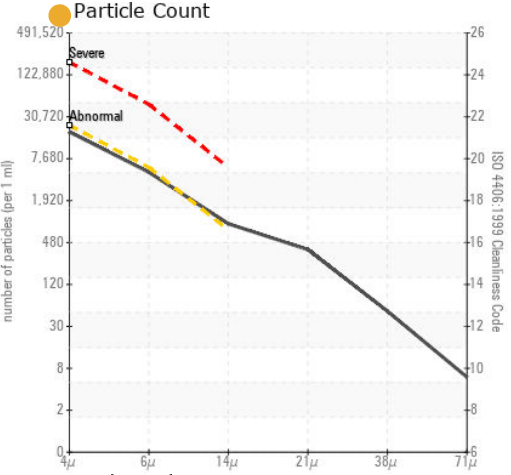
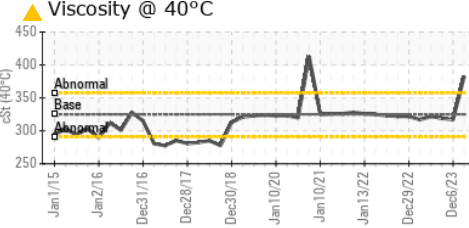
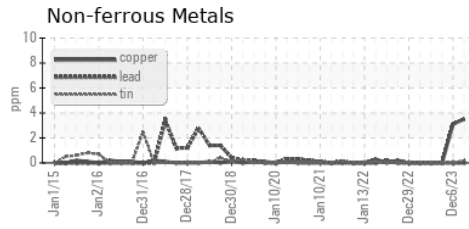
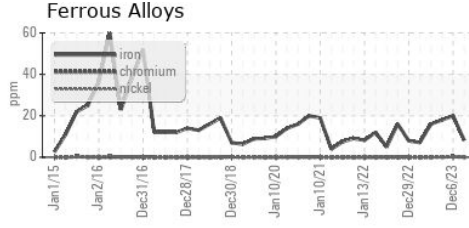
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	325	▲ 382.4	317

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0894935 **Received** : 01 Apr 2024  
**Lab Number** : 06134864 **Tested** : 05 Apr 2024  
**Unique Number** : 10954329 **Diagnosed** : 08 Apr 2024 - Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: PrtCount )

**HORMEL FOODS - AUSTIN**  
 1101 NORTH MAIN ST  
 AUSTIN, MN  
 US 55912  
 Contact: RYAN LOWE  
 rslowe@hormel.com  
 T: (507)437-5674  
 F: (507)437-9805

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)