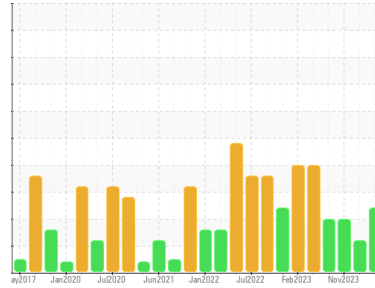




# OIL ANALYSIS REPORT

Sample Rating Trend



## VISCOSITY



Area  
**WH-100**  
Machine Id  
**B25970 - STORK COOKER GEARBOX #6 (1ST ON CHILL SECTION)**  
Component  
**Gearbox**  
Fluid  
**PETRO CANADA ENDURATEX WG 680 (--- GAL)**

### DIAGNOSIS

#### Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is a high 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>WC0894852</b>	WC0880591	WC0856020
Sample Date	Client Info		<b>06 Mar 2024</b>	10 Jan 2024	29 Nov 2023
Machine Age	hrs	Client Info	<b>0</b>	0	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>	ATTENTION	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	
Iron	ppm	ASTM D5185m	>200	<b>20</b>	30	20
Chromium	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	>15	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	2	0
Lead	ppm	ASTM D5185m	>100	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>200	<b>13</b>	13	10
Tin	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

### ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	1	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	1	<b>0</b>	3	0
Molybdenum	ppm	ASTM D5185m	1	<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m	1	<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m	1	<b>0</b>	0	0
Calcium	ppm	ASTM D5185m	1	<b>0</b>	0	<1
Phosphorus	ppm	ASTM D5185m	1	<b>7</b>	48	<1
Zinc	ppm	ASTM D5185m	1	<b>12</b>	0	20
Sulfur	ppm	ASTM D5185m	3114	<b>3101</b>	3126	2469

### CONTAMINANTS

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

### FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	<b>▲ 295300</b>	● 11474	▲ 323762
Particles >6µm	ASTM D7647	>2500	<b>▲ 38021</b>	1171	▲ 194699
Particles >14µm	ASTM D7647	>320	<b>▲ 517</b>	33	▲ 4071
Particles >21µm	ASTM D7647	>80	<b>▲ 116</b>	10	▲ 113
Particles >38µm	ASTM D7647	>20	<b>1</b>	1	1
Particles >71µm	ASTM D7647	>4	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c)	>20/18/15	<b>▲ 25/22/16</b>	● 21/17/12	▲ 26/25/19

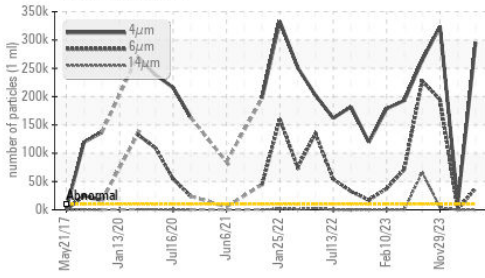
### FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.43	<b>1.51</b>	1.56	1.61

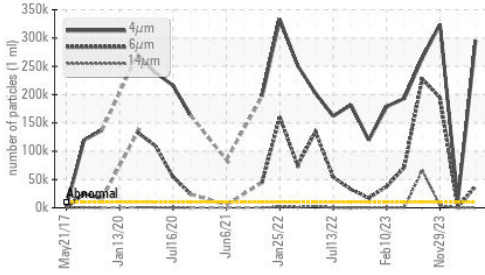


# OIL ANALYSIS REPORT

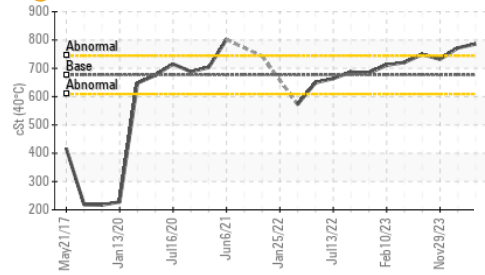
### ▲ Particle Trend



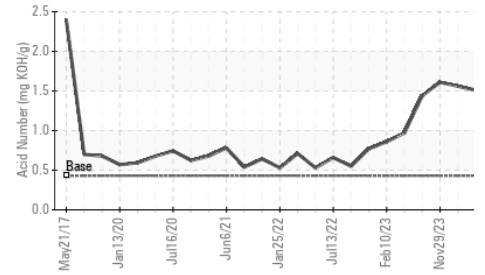
### ▲ Particle Trend



### ● Viscosity @ 40°C



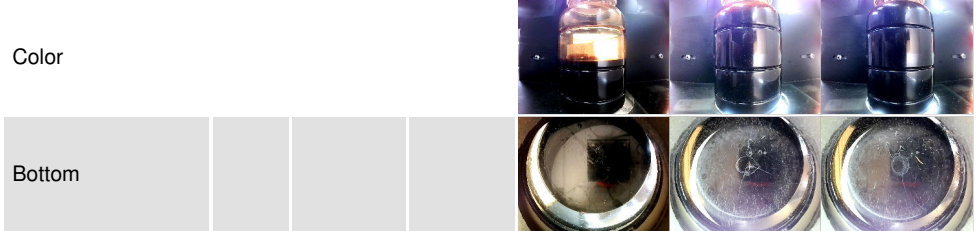
### Acid Number



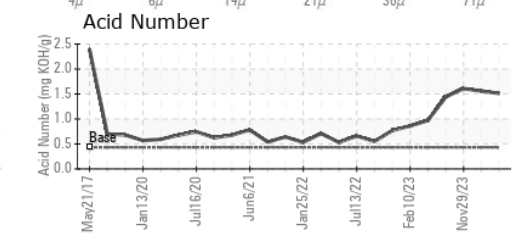
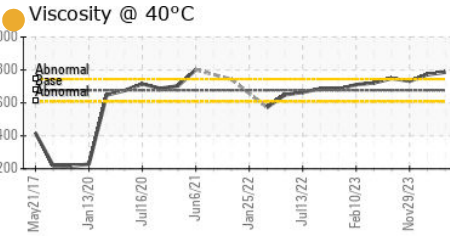
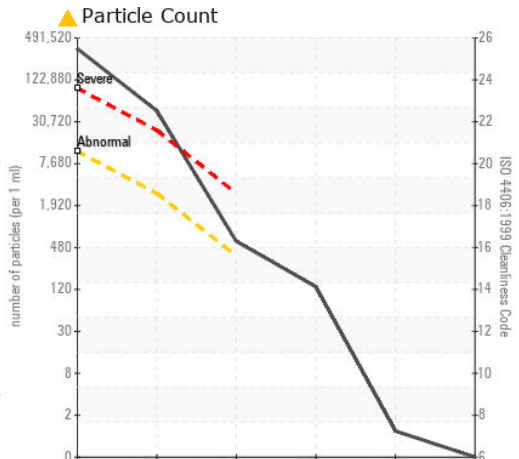
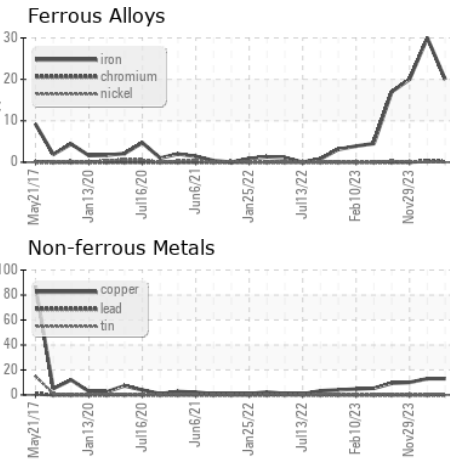
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	676.7 ● 786	772	732

SAMPLE IMAGES	method	limit/base	current	history1	history2
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### GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : WC0894852 Received : 21 Mar 2024  
 Lab Number : 06124881 Tested : 22 Mar 2024  
 Unique Number : 10939032 Diagnosed : 24 Mar 2024 - Don Baldrige  
 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)