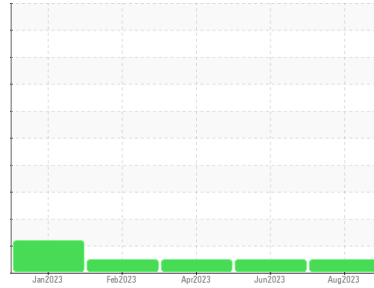




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**MP-103**  
 Machine Id  
**B72335 - VACUUM PUMP BUSCH (630) STACK PACK B72335**  
 Component  
**Vacuum Pump**  
 Fluid  
**PETRO CANADA PURITY FG SYNTHETIC 100 (15 LTR)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

### Fluid Condition

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>WC0826187</b>	WC0683799	WC0792009
Sample Date	Client Info	<b>15 Aug 2023</b>	26 Jun 2023	24 Apr 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>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>20	<b>2</b>	3	2
Chromium ppm ASTM D5185m	>20	<b>0</b>	0	0
Nickel ppm ASTM D5185m	>20	<b>0</b>	0	0
Titanium ppm ASTM D5185m		<b>&lt;1</b>	0	0
Silver ppm ASTM D5185m		<b>0</b>	0	0
Aluminum ppm ASTM D5185m	>20	<b>1</b>	2	0
Lead ppm ASTM D5185m	>20	<b>0</b>	0	0
Copper ppm ASTM D5185m	>20	<b>0</b>	0	0
Tin ppm ASTM D5185m	>20	<b>0</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		<b>0</b>	0	0
Barium ppm ASTM D5185m		<b>0</b>	0	0
Molybdenum ppm ASTM D5185m		<b>0</b>	0	0
Manganese ppm ASTM D5185m		<b>&lt;1</b>	<1	0
Magnesium ppm ASTM D5185m		<b>&lt;1</b>	0	0
Calcium ppm ASTM D5185m		<b>0</b>	0	<1
Phosphorus ppm ASTM D5185m		<b>525</b>	580	520
Zinc ppm ASTM D5185m		<b>0</b>	0	2
Sulfur ppm ASTM D5185m		<b>1635</b>	1875	1391

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>15	<b>14</b>	14	15
Sodium ppm ASTM D5185m		<b>3</b>	2	<1
Potassium ppm ASTM D5185m	>20	<b>&lt;1</b>	<1	0

## FLUID CLEANLINESS

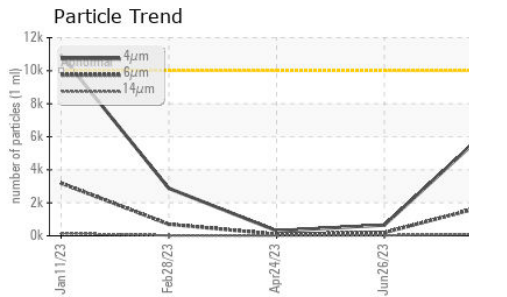
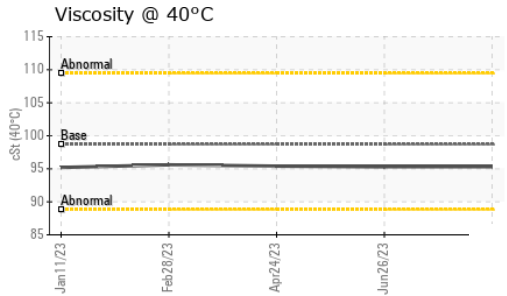
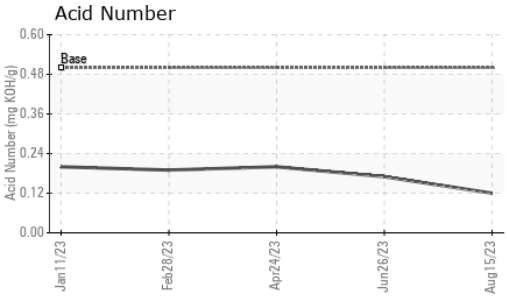
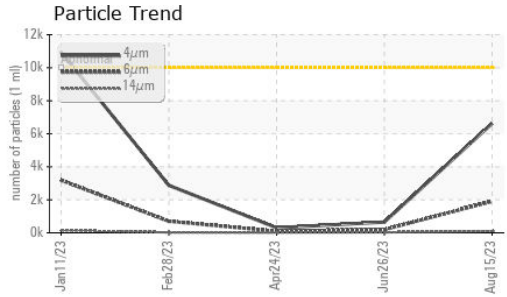
method	limit/base	current	history1	history2
Particles >4µm ASTM D7647	>10000	<b>6621</b>	652	304
Particles >6µm ASTM D7647	>2500	<b>1910</b>	195	94
Particles >14µm ASTM D7647	>320	<b>106</b>	25	11
Particles >21µm ASTM D7647	>80	<b>20</b>	7	3
Particles >38µm ASTM D7647	>20	<b>0</b>	1	0
Particles >71µm ASTM D7647	>4	<b>0</b>	0	0
Oil Cleanliness ISO 4406 (c)	>20/18/15	<b>20/18/14</b>	17/15/12	15/14/11

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	0.5	<b>0.12</b>	0.17	0.20



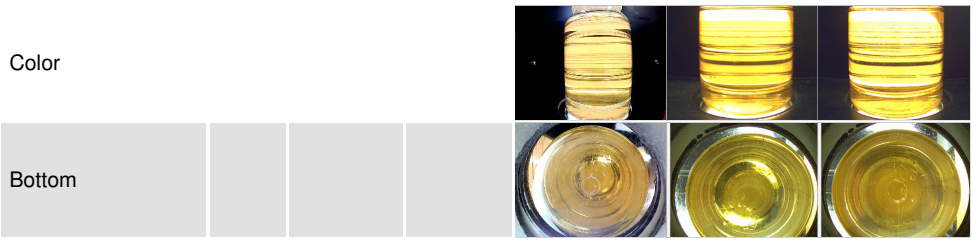
# OIL ANALYSIS REPORT



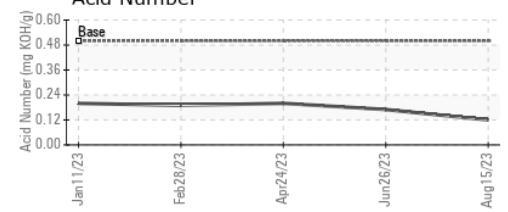
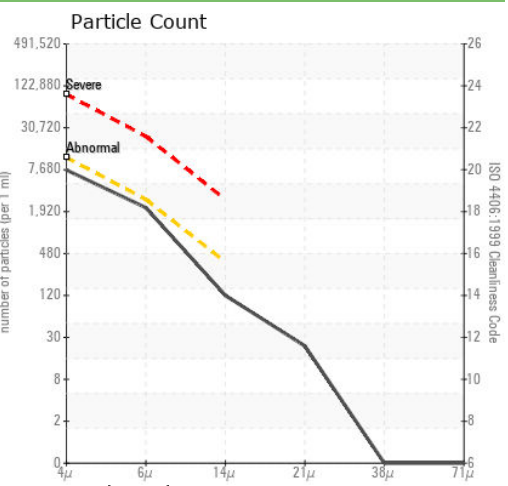
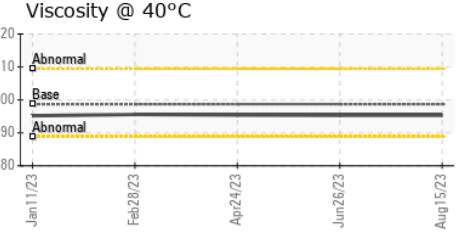
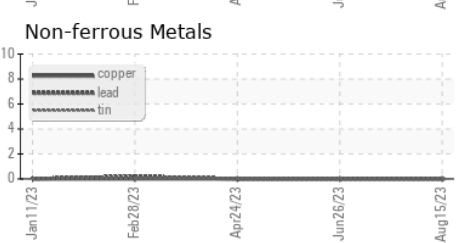
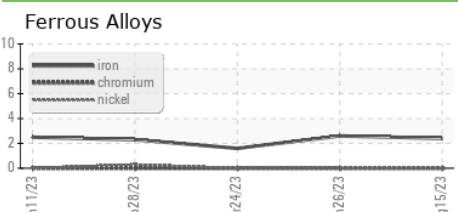
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	98.7	95.3	95.4

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0826187 **Received** : 21 Aug 2023  
**Lab Number** : 05929571 **Diagnosed** : 24 Aug 2023  
**Unique Number** : 10609518 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2 ( Additional Tests: PrtCount )

**HORMEL FOODS - AUSTIN**  
 1101 NORTH MAIN ST  
 AUSTIN, MN  
 US 55912  
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 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)