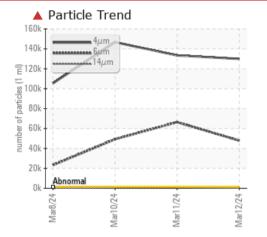


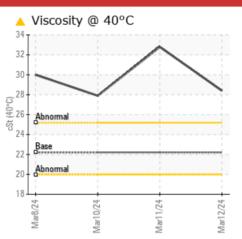


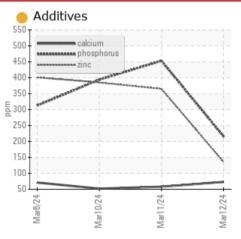
### Machine Id 429845

#### Component Hydraulic System Fluid PETRO CANADA HYDREX MV 22 (--- LTR)

### COMPONENT CONDITION SUMMARY







## RECOMMENDATION

We advise that you check all areas where contaminants can enter the system. The oil change at the time of sampling has been noted. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Confirm the source of the lubricant being utilized for top-up/fill. Resample in 30-45 days to monitor this situation. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

# PROBLEMATIC TEST RESULTS

THOBLEMATIN			<b>U</b>			
Sample Status				SEVERE	SEVERE	SEVERE
Particles >4µm		ASTM D7647	>1300	<b>129937</b>	<b>1</b> 33397	▲ 146692
Particles >6µm		ASTM D7647	>320	<b>47883</b>	▲ 66386	<b>4</b> 9257
Particles >14µm		ASTM D7647	>80	<u> </u>	<b>1</b> 079	<b>9</b> 28
Particles >21µm		ASTM D7647	>20	<b>A</b> 111	<u> </u>	<b>1</b> 73
Oil Cleanliness		ISO 4406 (c)	>17/15/13	<b>4</b> 24/23/16	<b>4</b> 24/23/17	<b>4</b> 24/23/17
Visc @ 40°C	cSt	ASTM D7279(m)	22.2	<b>A</b> 28.4	<b>A</b> 32.8	27.9
Viscosity Index (VI)	Scale	ASTM D2270*	156	<u> </u>	135	138

Customer Id: BLU410MIS Sample No.: PC0081140 Lab Number: 02623727 Test Package: IND 2



To manage this report scan the QR code

*To discuss the diagnosis or test data:* Kevin Marson +1 (289)291-4644 x4644 <u>Kevin.Marson@wearcheck.com</u>

*To change component or sample information:* Gloria Gonzalez +1 (289)291-4643 x4643 <u>gloria.gonzalez@wearcheck.com</u>

RECOMMENDED	ACTIONS

Action	Status	Date	Done By	Description		
Resample			?	Resample in 30-45 days to monitor this situation.		
Information Required			?	NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.		
Check Breathers			?	The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather.		
Check Dirt Access			?	We advise that you check all areas where contaminants can enter the system.		
Check Fluid Source			?	Confirm the source of the lubricant being utilized for top-up/fill.		

### HISTORICAL DIAGNOSIS





We advise that you check all areas where contaminants can enter the system. The oil change at the time of sampling has been noted. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Confirm the source of the lubricant being utilized for top-up/fill. Resample in 30-45 days to monitor this situation. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.All component wear rates are normal. There is a high amount of particulates (2 to 100 microns in size) present in the oil. The system cleanliness code is much higher than the acceptable limit for the target ISO 4406 cleanliness code. Viscosity of sample indicates oil is within ATF range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



view report

### 10 Mar 2024 Diag: Kevin Marson



We advise that you check all areas where contaminants can enter the system. The oil change at the time of sampling has been noted. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Confirm the source of the lubricant being utilized for top-up/fill. Resample in 30-45 days to monitor this situation. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.Iron ppm levels are noted. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. All other component wear rates are normal. There is a high amount of particulates (2 to 100 microns in size) present in the oil. The system cleanliness code is much higher than the acceptable limit for the target ISO 4406 cleanliness code. Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

### 08 Mar 2024 Diag:







# **OIL ANALYSIS REPORT**

Sample Rating Trend



429845 Component Hydraulic System Fluid PETRO CANADA HYDREX MV 22 (--- LTR)

### DIAGNOSIS

Machine Id

### A Recommendation

We advise that you check all areas where contaminants can enter the system. The oil change at the time of sampling has been noted. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Confirm the source of the lubricant being utilized for top-up/fill. Resample in 30-45 days to monitor this situation. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

### Wear

All component wear rates are normal.

### Contamination

There is a high amount of particulates (2 to 100 microns in size) present in the oil. The system cleanliness code is much higher than the acceptable limit for the target ISO 4406 cleanliness code.

### Fluid Condition

Viscosity of sample indicates oil is within ATF range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0081140	PC0081138	PC0081143
Sample Date		Client Info		12 Mar 2024	11 Mar 2024	10 Mar 2024
Machine Age	yrs	Client Info		6	6	6
Oil Age	yrs	Client Info		6	6	6
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				SEVERE	SEVERE	SEVERE
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	19	20	29
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>20	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	0	0	0
Lead	ppm	ASTM D5185(m)	>20	0	0	0
Copper	ppm	ASTM D5185(m)	>20	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>20	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
ADDITIVES Boron	ppm	method ASTM D5185(m)	limit/base 0	current	history1	history2 13
	ppm ppm		0			
Boron		ASTM D5185(m)	0	<b>4</b> 7	27	13
Boron Barium	ppm	ASTM D5185(m) ASTM D5185(m)	0	<b>4</b> 7 0	27 0	13 0
Boron Barium Molybdenum	ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 0	47 0 3	27 0 1	13 0 0
Boron Barium Molybdenum Manganese	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 0 1	<ul> <li>47</li> <li>0</li> <li>3</li> <li>0</li> </ul>	27 0 1 0	13 0 0 0
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 0 1 0	<ul> <li>47</li> <li>0</li> <li>3</li> <li>0</li> <li>9</li> </ul>	27 0 1 0 7	13 0 0 0 6
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 1 0 50	<ul> <li>47</li> <li>0</li> <li>3</li> <li>0</li> <li>9</li> <li>73</li> </ul>	27 0 1 0 7 58	13 0 0 0 6 52
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 1 0 50 330	<ul> <li>47</li> <li>0</li> <li>3</li> <li>0</li> <li>9</li> <li>73</li> <li>216</li> </ul>	<ul> <li>27</li> <li>0</li> <li>1</li> <li>0</li> <li>7</li> <li>58</li> <li>453</li> </ul>	13 0 0 0 6 52 394
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 1 0 50 330 430	<ul> <li>47</li> <li>0</li> <li>3</li> <li>0</li> <li>9</li> <li>73</li> <li>216</li> <li>136</li> </ul>	<ul> <li>27</li> <li>0</li> <li>1</li> <li>0</li> <li>7</li> <li>58</li> <li>453</li> <li>365</li> </ul>	13 0 0 0 6 52 394 385
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 1 0 50 330 430	<ul> <li>47</li> <li>0</li> <li>3</li> <li>0</li> <li>9</li> <li>73</li> <li>216</li> <li>136</li> <li>551</li> </ul>	<ul> <li>27</li> <li>0</li> <li>1</li> <li>0</li> <li>7</li> <li>58</li> <li>453</li> <li>365</li> <li>3545</li> </ul>	13 0 0 0 6 52 394 385 2394
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 1 0 50 330 430 760	<ul> <li>47</li> <li>0</li> <li>3</li> <li>0</li> <li>9</li> <li>73</li> <li>216</li> <li>136</li> <li>551</li> <li>&lt;1</li> </ul>	<ul> <li>27</li> <li>0</li> <li>1</li> <li>0</li> <li>7</li> <li>58</li> <li>453</li> <li>365</li> <li>3545</li> <li>&lt;1</li> </ul>	13 0 0 6 52 394 385 2394 <1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 1 0 50 330 430 760 <b>limit/base</b>	<ul> <li>47</li> <li>0</li> <li>3</li> <li>0</li> <li>9</li> <li>73</li> <li>216</li> <li>136</li> <li>551</li> <li>&lt;1</li> <li>current</li> </ul>	<ul> <li>27</li> <li>0</li> <li>1</li> <li>0</li> <li>7</li> <li>58</li> <li>453</li> <li>365</li> <li>3545</li> <li>&lt;1</li> <li>history1</li> </ul>	13 0 0 0 6 52 394 385 2394 <1 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m)	0 0 1 0 50 330 430 760 <b>limit/base</b>	<ul> <li>47</li> <li>0</li> <li>3</li> <li>0</li> <li>9</li> <li>73</li> <li>216</li> <li>136</li> <li>551</li> <li>&lt;1</li> <li>current</li> <li>8</li> </ul>	<ul> <li>27</li> <li>0</li> <li>1</li> <li>0</li> <li>7</li> <li>58</li> <li>453</li> <li>365</li> <li>3545</li> <li>&lt;1</li> <li>history1</li> <li>7</li> </ul>	13 0 0 6 52 394 385 2394 <1 2394 <1 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m)	0 0 1 0 50 330 430 760 <b>limit/base</b> >15	<ul> <li>47</li> <li>0</li> <li>3</li> <li>0</li> <li>9</li> <li>73</li> <li>216</li> <li>136</li> <li>551</li> <li>&lt;1</li> <li>Current</li> <li>8</li> <li>2</li> </ul>	<ul> <li>27</li> <li>0</li> <li>1</li> <li>0</li> <li>7</li> <li>58</li> <li>453</li> <li>365</li> <li>3545</li> <li>&lt;1</li> <li>history1</li> <li>7</li> <li>2</li> </ul>	13 0 0 6 52 394 385 2394 <1 2394 <1 <b>history2</b> 9 3
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m)	0 0 1 0 50 330 430 760 <b>limit/base</b> >15 >20	<ul> <li>47</li> <li>0</li> <li>3</li> <li>0</li> <li>9</li> <li>73</li> <li>216</li> <li>136</li> <li>551</li> <li>&lt;1</li> </ul> Current 8 2 0	<ul> <li>27</li> <li>0</li> <li>1</li> <li>0</li> <li>7</li> <li>58</li> <li>453</li> <li>365</li> <li>3545</li> <li>&lt;1</li> <li>history1</li> <li>7</li> <li>2</li> <li>0</li> </ul>	13 0 0 0 6 52 394 385 2394 <1 2394 <1 <b>history2</b> 9 3 3 <1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m)	0 0 1 0 50 330 430 760 <b>limit/base</b> >15 >20 <b>limit/base</b>	<ul> <li>47</li> <li>0</li> <li>3</li> <li>0</li> <li>9</li> <li>73</li> <li>216</li> <li>136</li> <li>551</li> <li>&lt;1</li> </ul> current <ul> <li>8</li> <li>2</li> <li>0</li> </ul> current	<ul> <li>27</li> <li>0</li> <li>1</li> <li>0</li> <li>7</li> <li>58</li> <li>453</li> <li>365</li> <li>3545</li> <li>&lt;1</li> <li>history1</li> <li>7</li> <li>2</li> <li>0</li> <li>history1</li> </ul>	13 0 0 0 6 52 394 385 2394 <1 2394 <1 <b>history2</b> 9 3 <1 <i>history2</i>
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium Potassium FLUID CLEAN Particles >4μm	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m)	0 0 1 0 50 330 430 760 <b>imit/base</b> >15 >20 <b>imit/base</b> >1300	<ul> <li>47</li> <li>0</li> <li>3</li> <li>0</li> <li>9</li> <li>73</li> <li>216</li> <li>136</li> <li>551</li> <li>&lt;1</li> <li>current</li> <li>8</li> <li>2</li> <li>0</li> <li>current</li> <li>129937</li> </ul>	<ul> <li>27</li> <li>0</li> <li>1</li> <li>0</li> <li>7</li> <li>58</li> <li>453</li> <li>365</li> <li>3545</li> <li>&lt;1</li> </ul> 7 2 0 history1 △	13 0 0 0 52 394 385 2394 <1 2394 <1 <b>history2</b> 9 3 <1 <b>history2</b> 1 4 5 1 4 6 5 2 3 9 3 5 2 1 5 2 3 9 3 3 4 5 1 5 2 3 9 4 5 2 3 9 4 5 2 3 9 4 5 2 3 9 4 5 2 3 9 4 5 2 3 9 4 5 2 3 9 4 5 2 3 9 4 5 2 3 9 4 5 2 3 9 4 5 2 3 9 4 5 2 3 9 4 5 2 3 9 4 5 5 2 3 9 4 5 2 3 9 4 5 2 3 9 4 5 2 3 9 4 5 5 2 3 9 4 5 5 2 3 9 4 5 2 3 9 4 5 5 2 3 9 4 5 5 2 3 9 4 5 5 2 3 9 4 5 5 2 3 9 4 5 5 2 3 9 4 5 5 2 3 9 4 5 5 2 3 9 4 5 5 2 3 9 4 5 5 2 3 9 4 5 5 2 3 9 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium Potassium FLUID CLEANI Particles >4μm Particles >6μm	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m)	0 0 1 0 50 330 430 760 760 <b>imit/base</b> >15 .20 <b>imit/base</b> >20 <b>imit/base</b> >320 >320	<ul> <li>47</li> <li>0</li> <li>3</li> <li>0</li> <li>9</li> <li>73</li> <li>216</li> <li>136</li> <li>551</li> <li>&lt;1</li> </ul> current 8 2 0 current 129937 ▲ 129937	<ul> <li>27</li> <li>0</li> <li>1</li> <li>0</li> <li>7</li> <li>58</li> <li>453</li> <li>365</li> <li>3545</li> <li>&lt;1</li> </ul> 7 2 0 history1 △	13 0 0 0 6 52 394 385 2394 <1 2394 <1 <b>history2</b> 9 3 <1 <b>history2</b> 9 3 <1 <b>history2</b>
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium Potassium FLUID CLEAN Particles >4µm Particles >6µm Particles >14µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m)	0 0 1 0 50 330 430 760 760 <b>imit/base</b> >15 .20 <b>imit/base</b> >20 <b>imit/base</b> >320 >320	<ul> <li>47</li> <li>0</li> <li>3</li> <li>0</li> <li>9</li> <li>73</li> <li>216</li> <li>136</li> <li>551</li> <li>&lt;1</li> </ul> Current 8 2 0 current 129937 ▲ 129937 ▲ 47883 ▲ 601	<ul> <li>27</li> <li>0</li> <li>1</li> <li>0</li> <li>7</li> <li>58</li> <li>453</li> <li>365</li> <li>3545</li> <li>&lt;1</li> </ul> 7 2 0 history1 6 133397 66386 1079	13 0 0 0 6 52 394 385 2394 <1 2394 <1 <b>history2</b> 9 3 <1 <b>history2</b> 9 3 <1 <b>history2</b> 0 1 4 146692 ▲ 146692
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium Potassium FLUID CLEAN Particles >4µm Particles >6µm Particles >14µm Particles >21µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	0 0 1 0 50 330 430 760 bimit/base >15 b20 bimit/base >20 bimit/base >320 bimit/base >320	<ul> <li>47</li> <li>0</li> <li>3</li> <li>0</li> <li>9</li> <li>73</li> <li>216</li> <li>136</li> <li>551</li> <li>&lt;1</li> </ul> Current <ul> <li>8</li> <li>2</li> <li>0</li> </ul> Current <ul> <li>129937</li> <li>47883</li> <li>601</li> <li>111</li> </ul>	<ul> <li>27</li> <li>0</li> <li>1</li> <li>0</li> <li>7</li> <li>58</li> <li>453</li> <li>365</li> <li>3545</li> <li>&lt;1</li> <li>history1</li> <li>7</li> <li>2</li> <li>0</li> <li>history1</li> <li>133397</li> <li>66386</li> <li>1079</li> <li>98</li> </ul>	13 0 0 0 6 52 394 385 2394 385 2394 385 2394 3 1 2 3 4 1 4 1 4 1 4 1 4 1 4 1 4 9 2 3 4 1 4 1 4 9 2 8 4 2 1 4 2 2 1 4 1 4 2 2 7 4 1 4 2 2 7 4 4 2 2 7 4 4 3 5 5 2 3 4 4 3 8 5 4 4 3 8 5 4 4 3 8 5 4 4 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium Potassium FLUID CLEAN Particles >4µm Particles >6µm Particles >21µm Particles >38µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	0 0 0 1 0 50 330 430 760 760 <b>imit/base</b> >15 >20 <b>imit/base</b> >1300 >320 >320 >320 >320 >320 >320	<ul> <li>47</li> <li>0</li> <li>3</li> <li>0</li> <li>9</li> <li>73</li> <li>216</li> <li>136</li> <li>551</li> <li>&lt;1</li> <li>Current</li> <li>8</li> <li>2</li> <li>0</li> <li>Current</li> <li>129937</li> <li>47883</li> <li>601</li> <li>111</li> <li>5</li> <li>0</li> <li>24/23/16</li> </ul>	<ul> <li>27</li> <li>0</li> <li>1</li> <li>0</li> <li>7</li> <li>58</li> <li>453</li> <li>365</li> <li>3545</li> <li>&lt;1</li> <li><li><li><li><li><li><li><li><li><li></li></li></li></li></li></li></li></li></li></li></ul>	13 0 0 0 52 394 385 2394 <1 × 146692 ▲ 146692 ▲ 146692 ▲ 146692 ▲ 173 ▲ 11

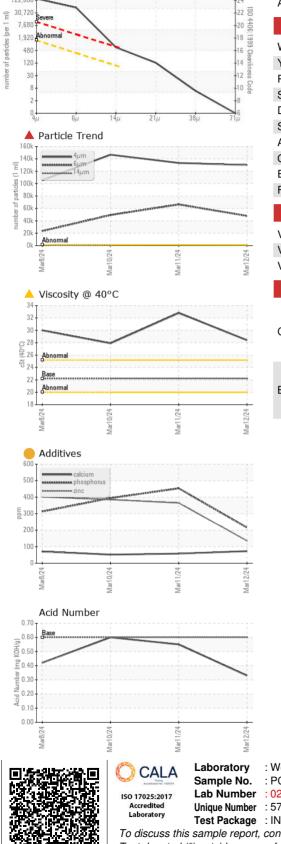


Particle Count

122,880

# OIL ANALYSIS REPORT

FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.60	0.33	0.55	0.60
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.05	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	22.2	<b>4</b> 28.4	<b>A</b> 32.8	27.9
Visc @ 100°C	cSt	ASTM D7279(m)	4.95	5.4	<b>6</b> .1	5.5
Viscosity Index (VI)	Scale	ASTM D2270*	156	🔺 127	135	138
SAMPLE IMAG	iES	method	limit/base	current	history1	history2
Color						
Dettem						(mail)
Bottom				63	63	



CALA     Laboratory     Sample No.     Laboratory     Laboratory     Sample No.     Laboratory     Laboratory     CALA     Laboratory     Sample No.     Laboratory     Laboratory		: PC0081140 : <mark>02623727</mark> : 5748846	- C8-1175 Appleby Line, I Received Tested Diagnosed tional Tests: KV100, VI )	Burlington, ON L7L 5H9 : 21 Mar 2024 : 22 Mar 2024 : 22 Mar 2024 : 22 Mar 2024 - Kevin Marson	Blue Giant Equipment Corporation 410 Admiral Boulevard Mississauga, ON CA L5T 2N6 Contact: Hugo Cristovao
Test denoted (	s sample report, *) outside scope	contact Custo of accreditati	tional Tests: KV100, VI ) mer Service at 1-800-268 on, (m) method modified, ed on the sample and infor	(e) tested at external lab.	Contact: Hugo Cristovao hcristovao@bluegiant.com T: (905)457-3900 F: (905)457-2313

Contact/Location: Hugo Cristovao - BLU410MIS