



OIL ANALYSIS REPORT

Sample Rating Trend

ADDITIVES

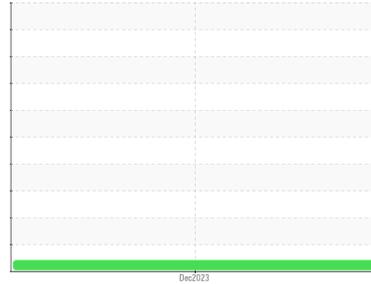


Area
[262179/3683]

Machine Id
HILL PHOENIX 3683-001 (S/N 120025-RACKA)

Component
Unknown Component

Fluid
BITZER BSE 85K (--- GAL)



DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. 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 no indication of any contamination in the sample.

Fluid Condition

Additive levels indicate the addition of a different brand, or type of sample. The AN level is acceptable for this fluid. The condition of the sample is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0876605	---	---
Sample Date	Client Info		14 Dec 2023	---	---
Machine Age	hrs	Client Info	34	---	---
Oil Age	hrs	Client Info	34	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ATTENTION	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.015	NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		0	---	---
Iron	ppm	ASTM D5185(m)	<1	---	---
Chromium	ppm	ASTM D5185(m)	0	---	---
Nickel	ppm	ASTM D5185(m)	<1	---	---
Titanium	ppm	ASTM D5185(m)	0	---	---
Silver	ppm	ASTM D5185(m)	0	---	---
Aluminum	ppm	ASTM D5185(m)	<1	---	---
Lead	ppm	ASTM D5185(m)	0	---	---
Copper	ppm	ASTM D5185(m)	<1	---	---
Tin	ppm	ASTM D5185(m)	0	---	---
Antimony	ppm	ASTM D5185(m)	0	---	---
Vanadium	ppm	ASTM D5185(m)	0	---	---
Beryllium	ppm	ASTM D5185(m)	0	---	---
Cadmium	ppm	ASTM D5185(m)	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	<1	---
Barium	ppm	ASTM D5185(m)	0	0	---
Molybdenum	ppm	ASTM D5185(m)	0	0	---
Manganese	ppm	ASTM D5185(m)	0	0	---
Magnesium	ppm	ASTM D5185(m)	0	<1	---
Calcium	ppm	ASTM D5185(m)	0	<1	---
Phosphorus	ppm	ASTM D5185(m)	1200	1277	---
Zinc	ppm	ASTM D5185(m)	0	1	---
Sulfur	ppm	ASTM D5185(m)	0	▲ 395	---
Lithium	ppm	ASTM D5185(m)		<1	---

CONTAMINANTS

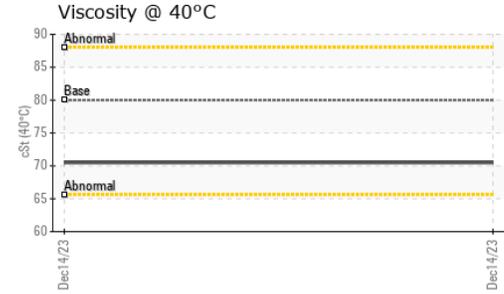
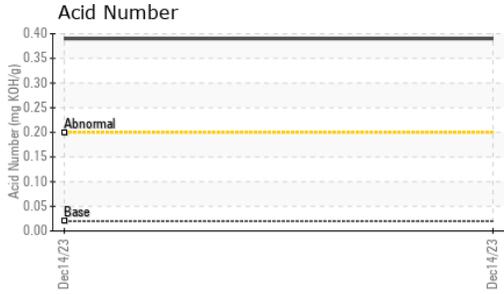
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		5	---
Sodium	ppm	ASTM D5185(m)		0	---
Potassium	ppm	ASTM D5185(m)	>20	2	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.02	0.39	---



OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.015	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

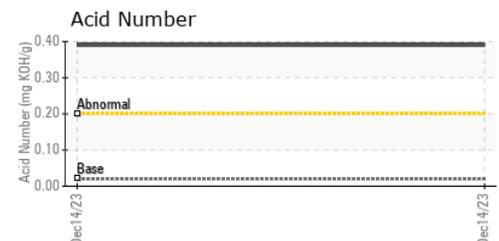
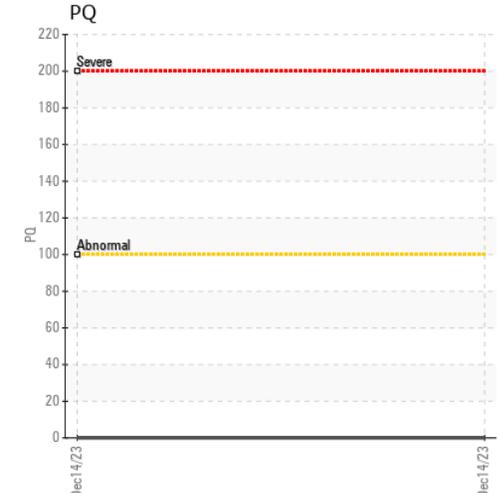
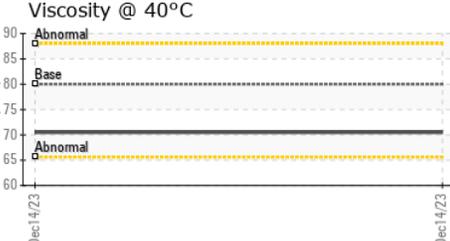
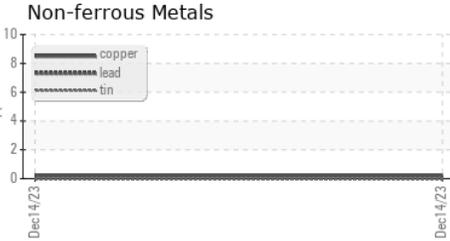
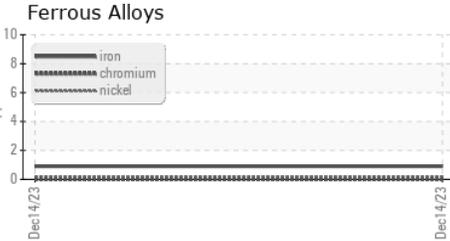
FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	80	70.5	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color

	no image	no image
Bottom	no image	no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0876605 **Received** : 02 Jan 2024
Lab Number : **02606086** **Diagnosed** : 04 Jan 2024
Unique Number : 5707172 **Diagnostician** : Kevin Marson
Test Package : IND 2 (Additional Tests: TAN Man)

Display Fixtures - Loblaw
 14740-111 Avenue
 Edmonton, AB
 CA T5M 2P5
 Contact: Ross Richards
 ross.richards@loblaw.ca
 T: (780)232-2699
 F:

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.