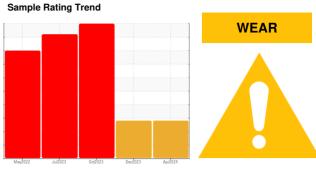


# **OIL ANALYSIS REPORT**

**BAGLINE KETTLE 3 - BAG** 

Top Refrigeration Compressor

PETRO CANADA PURITY FG SYNTH EP GEAR 220 (--- GAL)



### **DIAGNOSIS**

#### Recommendation

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

### Wear

The iron level is abnormal.

### Contamination

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

#### **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

EAR 220 ( GAI	-)	May2022	Jul <b>2</b> 023	Oct2023 Dec2023	Apr2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0006689	USP0004465	USP0001361
Sample Date		Client Info		25 Apr 2024	17 Dec 2023	10 Oct 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	SEVERE
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	<b>△</b> 66	<u>45</u>	▲ 560
Chromium	ppm	ASTM D5185m	>2	<1	0	5
Nickel	ppm	ASTM D5185m		0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>3	0	0	2
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>8	0	0	<1
Tin	ppm	ASTM D5185m	>4	0	0	1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	2
Magnesium	ppm	ASTM D5185m		0	0	3
Calcium	ppm	ASTM D5185m		0	0	10
Phosphorus	ppm	ASTM D5185m		378	301	318
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		309	336	388
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	4	7	18
Sodium	ppm	ASTM D5185m		<1	2	11
Potassium	ppm	ASTM D5185m	>20	0	0	1
Water	%	ASTM D6304	>0.01	0.001	<b>△</b> 0.420	▲ 2.37
ppm Water	ppm	ASTM D6304	>100	9	<b>4200</b>	▲ 23700
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<u> </u>		
Particles >6µm		ASTM D7647	>2500	<u>\$\text{93243}\$</u>		
Particles >14μm		ASTM D7647	>640	<b>2263</b>		
Particles >21µm		ASTM D7647	>160	<b>429</b>		
Particles >38μm		ASTM D7647	>40	6		
Particles >71µm		ASTM D7647	>10	0		
Oil Cleanliness		ISO 4406 (c)	>20/18/16	<u>25/24/18</u>		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.59	0.81	0.072	0.59



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No. Lab Number

: USP0006689 : 06161487 Unique Number : 10996910

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received Tested Test Package : IND 2

: 30 Apr 2024 Diagnosed : 30 Apr 2024 - Jonathan Hester

: 26 Apr 2024

KraftHeinz - Cedar Rapids - Plant 8370 4601 C ST SW CEDAR RAPIDS, IA

US 52404 Contact: Service Manager

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)

Contact/Location: Service Manager - KRACED

T:

F: