

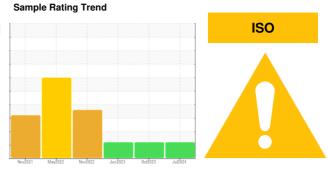
# **OIL ANALYSIS REPORT**

# BAGLINE

HOLDING KETTLE A - 11531769 (S/N 87.6644008401.0001.21.10)

Refrigeration Compressor

PETRO CANADA PURITY FG EP GEAR OIL 220 (1 GAL)



## **DIAGNOSIS**

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

### **Fluid Condition**

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0012255	USP0001358	USP244786
Sample Date		Client Info		02 Jul 2024	10 Oct 2023	12 Jun 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	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	2	23	11
Chromium	ppm	ASTM D5185m	>2	0	0	<1
Nickel	ppm	ASTM D5185m		0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>3	1	6	5
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>8	0	0	0
Tin	ppm	ASTM D5185m	>4	<1	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	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		0	2	<1
Calcium	ppm	ASTM D5185m		0	9	8
Phosphorus	ppm	ASTM D5185m		576	556	638
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		522	625	816
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	10	9
Sodium	ppm	ASTM D5185m		<1	4	3
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
Water	%	ASTM D6304	>0.01	0.002	0.006	0.001
ppm Water	ppm	ASTM D6304	>100	25	62.3	14.7
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<b>24358</b>	<u>▲</u> 198184	<b>▲</b> 43825
Particles >6µm		ASTM D7647	>2500	<u> </u>	△ 39000	<u></u> 5530
Particles >14μm		ASTM D7647	>640	305	417	137
Particles >21µm		ASTM D7647	>160	58	35	18
Particles >38µm		ASTM D7647	>40	1	1	2
Particles >71µm		ASTM D7647	>10	0	0	1
Oil Cleanliness		ISO 4406 (c)	>20/18/16	<u>22/20/15</u>	<u>\$\times\$ 25/22/16</u>	<u>23/20/14</u>
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.51	0.72	0.45	0.53



# **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No. Lab Number

: 06234979 Unique Number : 11123813 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USP0012255

Received : 12 Jul 2024 **Tested** : 15 Jul 2024 Diagnosed : 15 Jul 2024 - Doug Bogart

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.

 $^st$  - 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)

T:

F: