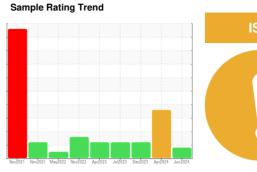


# **OIL ANALYSIS REPORT**

Area **BAGLINE**Machine Id **KETTLE 9 TUBLINE** 

Refrigeration Compressor

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





### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

## Wear

All component wear rates are normal.

### Contamination

There is a moderate amount of silt (particulates < 6 microns in size) present in the oil.

## **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

EAR 220 (1 GAL)	)	Nov2021 No	v2021 May2022 Nov2022	Apr2023 Jul2023 Dec2023 Apr203	24 Jun2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0013335	USP0006692	USP0004473
Sample Date		Client Info		13 Jun 2024	25 Apr 2024	17 Dec 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				ATTENTION	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	4	6	5
Chromium	ppm	ASTM D5185m	>2	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>3	2	0	2
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>8	2	0	0
Tin	ppm	ASTM D5185m	>4	<1	0	0
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		<1	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		564	517	512
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		409	409	347
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	7	<u>15</u>	8
Sodium	ppm	ASTM D5185m		1	0	2
Potassium	ppm	ASTM D5185m	>20	3	0	0
Water	%	ASTM D6304	>0.01	0.003	0.002	0.009
ppm Water	ppm	ASTM D6304	>100	31	21	90
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>10000	<b>12970</b>	<b>△</b> 98875	<b>▲</b> 37020
Particles >6µm		ASTM D7647	>2500	1596	<u>22794</u>	<b>△</b> 6919
Particles >14μm		ASTM D7647	>640	24	<u>▲</u> 1066	293
Particles >21µm		ASTM D7647	>160	1	<u>^</u> 228	56
Particles >38μm		ASTM D7647	>40	0	9	2
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/16	<b>2</b> 1/18/12	<u>4</u> 24/22/17	<u>22/20/15</u>
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.59	0.67	0.66	0.60



# **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No. Lab Number : 06210171

: USP0013335 Unique Number : 11083035 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 14 Jun 2024

**Tested** : 18 Jun 2024

Diagnosed : 19 Jun 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.

\* - 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: