

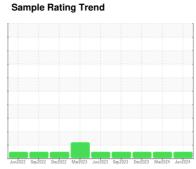
# **OIL ANALYSIS REPORT**

# **PACKAGING** [10-1514797]

WEST VANDEBERG - VFD1-10C (S/N 850114369.05.06.004)

Component **Gearbox** 

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





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### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

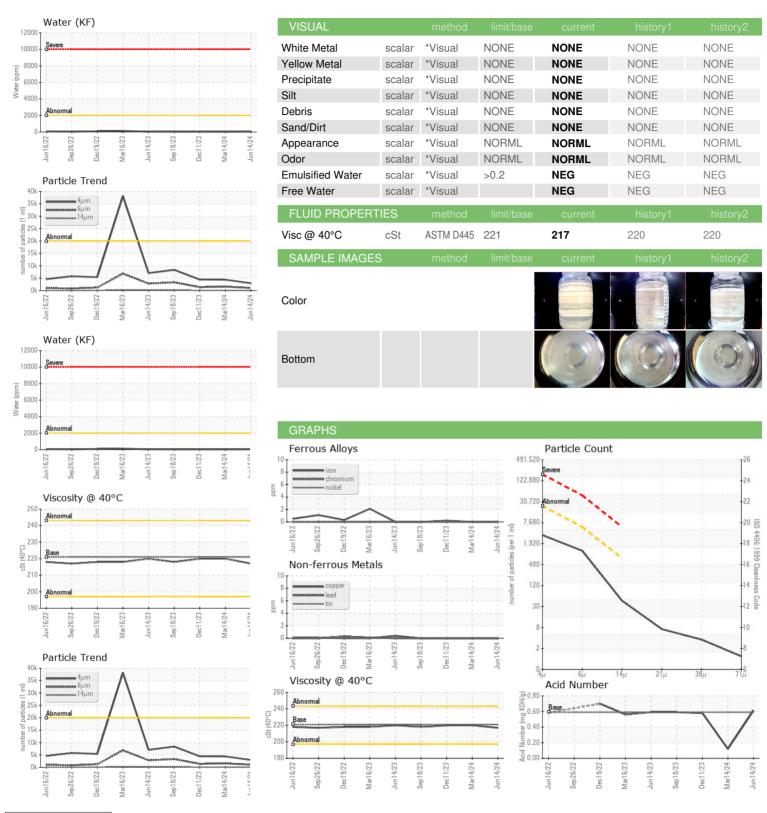
### **Fluid Condition**

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

EAR 220 ( GAL	-)	Jun2022 Sep	2022 Dec2022 Mar2023	Jun2023 Sep2023 Dec2023 Mar20.	24 Jun2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0013122	USP0006271	USP0004379
Sample Date		Client Info		14 Jun 2024	14 Mar 2024	11 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				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	0	0	<1
Chromium	ppm	ASTM D5185m	>15	0	0	0
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	2
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	0	0	0
Tin	ppm	ASTM D5185m	>25	0	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		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		<1	<1	0
Calcium	ppm	ASTM D5185m		<1	2	<1
Phosphorus	ppm	ASTM D5185m		535	505	519
Zinc	ppm	ASTM D5185m		6	0	0
Sulfur	ppm	ASTM D5185m		1024	925	876
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	1	2	2
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m		0	1	<1
Water	%	ASTM D6304	>0.2	0.003	0.002	0.003
ppm Water	ppm	ASTM D6304	>2000	30	18	31
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	2935	4377	4433
Particles >6µm		ASTM D7647	>5000	1045	1564	1373
Particles >14µm		ASTM D7647	>640	39	61	65
Particles >21µm		ASTM D7647	>160	6	10	15
Particles >38µm		ASTM D7647	>40	3	1	1
Particles >71µm		ASTM D7647	>10	1	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	19/17/12	19/18/13	19/18/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.59	0.61	0.12	0.58



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USP0013122 : 06218253 Unique Number : 11096450

Received

Diagnosed

**Tested** 

: 24 Jun 2024

: 25 Jun 2024

: 25 Jun 2024 - Doug Bogart

Test Package : IND 2

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.

**TYSON - SMART CHICKEN MBA** 

13151 DOVER ST WAVERLY, NE US 68462

Contact: KURT CONRADT kconradt@smartchicken.com T: (402)786-1072

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: TYSWAV [WUSCAR] 06218253 (Generated: 06/25/2024 18:01:20) Rev: 1

Contact/Location: KURT CONRADT - TYSWAV