

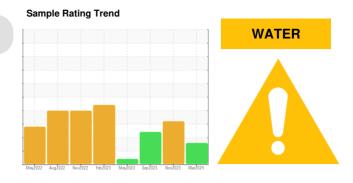
# **OIL ANALYSIS REPORT**

# **INJECT B ROOM [98750087]**

KR-GR-003250 - 11 FT GRINDER (S/N INJECT B - 11513044)

Gearbox

PETRO CANADA PURITY FG SYN GEAR ISO 220 (--- GAL)



### **DIAGNOSIS**

### Recommendation

We advise that you check for the source of water entry. Resample at the next service interval to monitor. (Customer Sample Comment: 98750087)

All component wear rates are normal.

## Contamination

There is a moderate concentration of water present in the oil. The amount and size of particulates present in the system are acceptable.

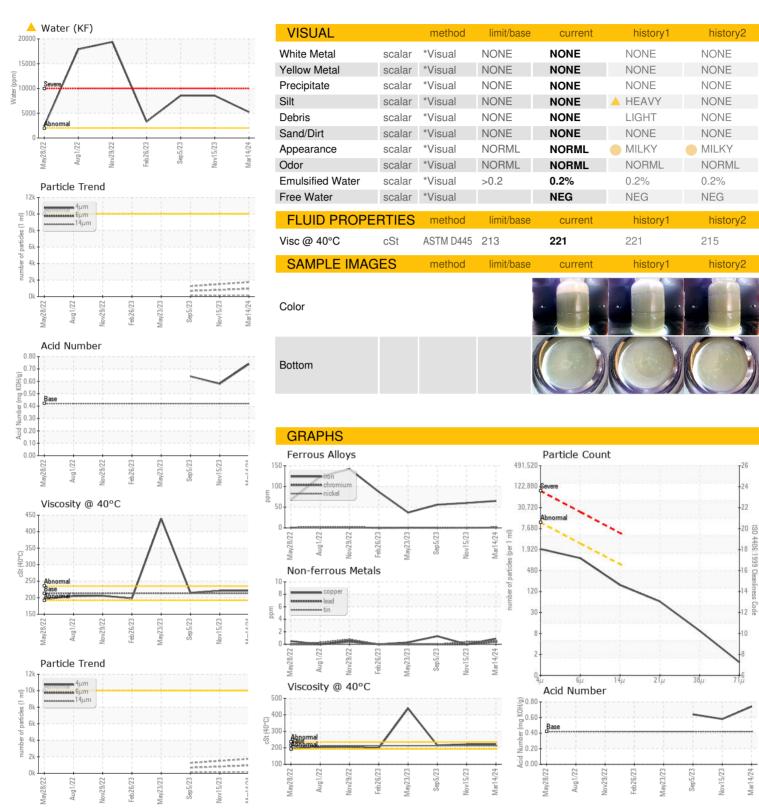
### **Fluid Condition**

The AN level is acceptable for this fluid.

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0116074	PCA0108456	PCA0102525
Sample Date		Client Info		14 Mar 2024	15 Nov 2023	05 Sep 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 METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	65	60	56
Chromium	ppm	ASTM D5185m	>15	<1	<1	<1
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	3	<1	2
Lead	ppm	ASTM D5185m	>100	<1	0	0
Copper	ppm	ASTM D5185m	>200	<1	0	1
Tin	ppm	ASTM D5185m	>25	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		11	10	10
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		41	37	40
Manganese	ppm	ASTM D5185m		2	1	1
Magnesium	ppm	ASTM D5185m		2	<1	0
Calcium	ppm	ASTM D5185m		20	17	6
Phosphorus	ppm	ASTM D5185m		508	479	507
Zinc	ppm	ASTM D5185m		45	20	11
Sulfur	ppm	ASTM D5185m		4278	4082	4929
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	5	4	4
Sodium	ppm	ASTM D5185m		10	6	9
Potassium	ppm	ASTM D5185m	>20	3	2	3
Water	%	ASTM D6304	>0.2	<b>0.523</b>	<b>△</b> 0.853	<b>△</b> 0.855
ppm Water	ppm	ASTM D6304	>2000	<b>△</b> 5230	<b>▲</b> 8530	<b>▲</b> 8550
FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	1749		1262
Particles >6µm		ASTM D7647	>2500	953		687
Particles >14µm		ASTM D7647	>640	162		117
Particles >21µm		ASTM D7647	>160	55		39
Particles >38µm		ASTM D7647	>40	8		6
Particles >71µm		ASTM D7647	>10	1		1
Oil Cleanliness		ISO 4406 (c)	>20/18/16	18/17/15		17/17/14
FLUID DEGRAE	OATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.42	0.74	0.58	0.64



# **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No. Lab Number

: PCA0116074 : 06133214 Unique Number : 10952679

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

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received : 29 Mar 2024 **Tested** Diagnosed Test Package : IND 2 ( Additional Tests: KF, PrtCount )

: 05 Apr 2024 : 05 Apr 2024 - Jonathan Hester

KraftHeinz - Kirksville - Plant 8333 PCA 2504 INDUSTRIAL DR KIRKSVILLE, MO US 63501

Contact: WALLACE WARD wallace.ward@kraftheinzcompany.com

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\* - 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)