

OIL ANALYSIS REPORT

Sample Rating Trend

WATER

Area [180507] GRINDER 2 (NEW) Component

Gearbox Eluid

PETRO CANADA ENDURATEX EP 150 (10 LTR)

DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is a moderate concentration of water present in the oil. Free water present.

Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

		Dec	2023	Apr2024 Jul20	24	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0929892	WC0929900	WC0869272
Sample Date		Client Info		08 Jul 2024	11 Apr 2024	07 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				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	0	3
Iron	ppm	ASTM D5185(m)	>200	13	11	75
Chromium	ppm	ASTM D5185(m)	>10	0	0	<1
Nickel	ppm	ASTM D5185(m)	>10	<1	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	2	2	1
Lead	ppm	ASTM D5185(m)	>50	0	0	<1
Copper	ppm	ASTM D5185(m)	>200	<1	<1	3
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Antimony	ppm	ASTM D5185(m)	>5	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	55	3	1	2
Barium	ppm	ASTM D5185(m)	0	<1	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)	0	<1	<1	1
Magnesium	ppm	ASTM D5185(m)	2	0	0	<1
Calcium	ppm	ASTM D5185(m)	6	8	12	6
Phosphorus	ppm	ASTM D5185(m)	250	🛑 105	1 15	399
Zinc	ppm	ASTM D5185(m)	3	2	2	7
Sulfur	ppm	ASTM D5185(m)	7500	— 743	756	641
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	17	13	31
Sodium	ppm	ASTM D5185(m)		<1	<1	2
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1
		ASTM D6304*	>0.2	6 0.474	▲ 0.435	0.005
Water	%	ASTIVI D0304	2 0.1	_ •		
Water ppm Water	% ppm	ASTM D6304*	>2000	▲ 4742	▲ 4359	58
	ppm					



Water (ppm)

0.00

180

160

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. 성 100

80

60 40

25

200

150

100

50

2

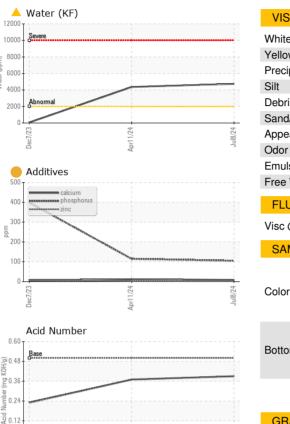
C//Jac

PQ

Base

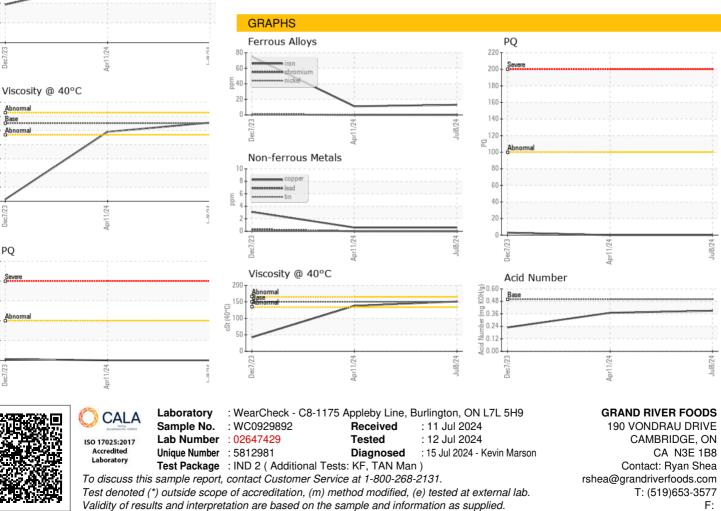
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OIL ANALYSIS REPORT





Bottom



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