

OIL ANALYSIS REPORT

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Sample Rating Trend

VISCOSITY



CLINKER 2

Component

Gearbox

PETRO CANADA TURBOFLO R&O 32 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

The oil viscosity is higher than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

iAL)		Nov2022	Feb2023 May2023	Oct2023 Dec2023	Mar2024	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0083663	PCA0083640	PCA0083675
Sample Date		Client Info		17 Mar 2024	18 Dec 2023	03 Oct 2023
	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
CONTAMINATIO	NC	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS	;	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	12	7	16
Chromium	ppm	ASTM D5185m	>15	<1	0	<1
	ppm	ASTM D5185m	>15	<1	0	<1
	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m	>25	0	0	2
	ppm	ASTM D5185m	>100	0	<1	<1
_	ppm		>200	3	0	1
	ppm	ASTM D5185m	>25	0	<1	0
	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		32	14	27
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	2
	ppm	ASTM D5185m		<1	<1	<1
	ppm	ASTM D5185m		<u> </u>	12	46
-	ppm	ASTM D5185m	0	350	121	296
	ppm	ASTM D5185m	4	269	132	195
	ppm	ASTM D5185m	0	<u> </u>	61	179
	ppm	ASTM D5185m		3727	924	3299
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<1	<1	2
	ppm	ASTM D5185m		4	<1	3
	ppm	ASTM D5185m	>20	<1	0	1
FLUID CLEANLI	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	^ 79477	▲ 47620	▲ 60632
Particles >6µm		ASTM D7647	>5000	<u> </u>	△ 6197	△ 9350
Particles >14µm		ASTM D7647	>640	1326	297	207
Particles >21µm		ASTM D7647	>160	<u>^</u> 308	81	41
Particles >38µm		ASTM D7647	>40	17	2	2
Particles >71µm		ASTM D7647	>10	1	0	1
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<u>^</u> 23/22/18	<u>\$\text{\Delta}\$ 23/20/15</u>	2 3/20/15
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D8045 0.15

0.122

0.26

0.08



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