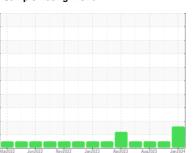


OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id 123001

Component **Hydraulic System**

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. You have indicated that the oil has been changed to PETRO CANADA TURBOFLO R&O 32, however, it appears that this is a sample of the previous fluid HYDRAULIC OIL FG ISO 46. Please confirm on your next oil sample that the oil has indeed been changed to PETRO CANADA TURBOFLO R&O 32.

Wear

All component wear rates are normal.

▲ Contamination

There is a light amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

Viscosity of sample indicates oil is within ISO 46 range, advise investigate. The condition of the oil is acceptable for the time in service.

GAL)		Mar2022	Jun2022 Nov2022	Jan 2023 Apr 2023 Aug 2023	Jan 2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0078802	PC0074817	PC0070437
Sample Date		Client Info		22 Jan 2024	10 Aug 2023	10 Aug 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	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	<1	1	2
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>20	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<1	0	<1
Lead	ppm	ASTM D5185(m)	>20	<1	<1	0
Copper	ppm	ASTM D5185(m)	>20	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>20	0	0	0
Antimony	ppm	ASTM D5185(m)		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)		0	0	<1
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		0	<1	0
Calcium	ppm	ASTM D5185(m)	0	0	<1	<1
Phosphorus	ppm	ASTM D5185(m)	4	423	462	463
Zinc	ppm	ASTM D5185(m)	0	<1	3	2
Sulfur	ppm	ASTM D5185(m)		537	531	519
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	<1	<1	<1
Sodium	ppm	ASTM D5185(m)		0	0	0
Potassium	ppm	ASTM D5185(m)	>20	<1	0	0
FLUID CLEAN	LINESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	4870		637
Particles >6µm		ASTM D7647	>1300	1545		185
Particles >14µm		ASTM D7647	>160	157		35
Particles >21µm		ASTM D7647	>40	46		15
Particles >38µm		ASTM D7647	>10	5		1
Particles >71µm		ASTM D7647	>3	1		0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/18/14		16/15/12



OIL ANALYSIS REPORT







Laboratory Sample No.

Lab Number **Unique Number**

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : 5721554

: PC0078802 : 02612459

Recieved Diagnosed

: 01 Feb 2024 Diagnostician : Bill Quesnel Test Package : MOB 2 (Additional Tests: KV100, VI)

: 31 Jan 2024

To discuss this sample report, contact Customer Service at 1-800-268-2131. Validity of results and interpretation are based on the sample and information as supplied.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

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