

OIL ANALYSIS REPORT

Area VIAM/Main Floor Machine Id [VIAM^Main Floor] EXT 3 DIE CUTTER Component

Hydraulic System

PETRO CANADA TURBOFLO R&O 150 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

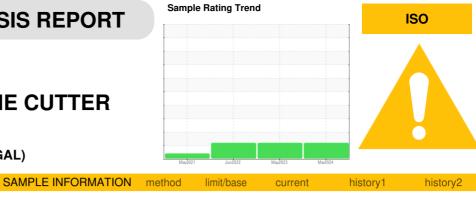
All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code.

Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KFS0005078	KFS0002206	KFS0001647
Sample Date		Client Info		18 Mar 2024	16 May 2023	28 Jun 2022
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
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	<1	<1
Chromium	ppm	ASTM D5185m	>20	<1	<1	0
	ppm	ASTM D5185m	>20	0	0	0
	ppm	ASTM D5185m		0	<1	0
	ppm	ASTM D5185m		0	<1	0
	ppm	ASTM D5185m	>20	0	<1	0
	ppm	ASTM D5185m	>20	0	0	0
	ppm	ASTM D5185m	>20	2	1	<1
Tin	ppm	ASTM D5185m	>20	<1	0	0
Antimony	ppm	ASTM D5185m				
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
	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m	0	<1	<1	0
Phosphorus	ppm	ASTM D5185m	4	19	12	15
Zinc	ppm	ASTM D5185m	0	16	0	10
Sulfur	ppm	ASTM D5185m		2281	2001	2669
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	2	2
Sodium	ppm	ASTM D5185m		<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	0	0
FLUID CLEANLINE	SS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	A 8128	4 793	4046

FLUID GLEANLINESS	method	iimii/base	current	riistory i	riistory2
Particles >4µm	ASTM D7647	>1300	A 8128	4 793	4 046
Particles >6µm	ASTM D7647	>320	<u> </u>	▲ 864	A 805
Particles >14µm	ASTM D7647	>80	49	25	48
Particles >21µm	ASTM D7647	>20	10	4	13
Particles >38µm	ASTM D7647	>4	1	0	2
Particles >71µm	ASTM D7647	>3	0	0	0
Oil Cleanliness	ISO 4406 (c)	>17/15/13	A 20/17/13	19/17/12	🔺 19/17/13



🔺 Particle Trend

10k

Ok

Mav25/

Mav25/21

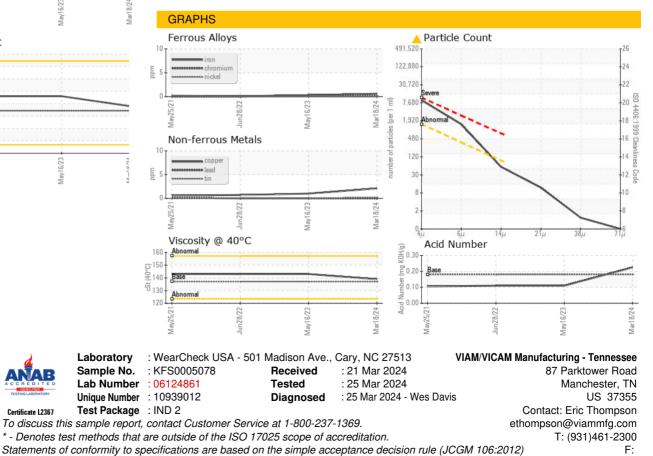
OIL ANALYSIS REPORT

FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.18	0.225	0.11	0.11
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	137.1	139	143	143
SAMPLE IMAGES		method	limit/base	current	history1	history2

Color

Bottom

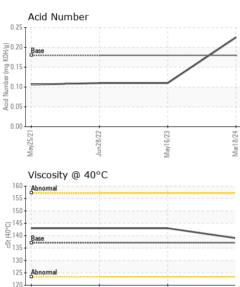




μm number of particles (1 ml) 14µm 6k 4k 2 Abnorma 0 un28/22 Mav16/23 Mav25/21 🔺 Particle Trend 10 number of particles (1 ml) 4.um 6 4 2 Abnorma

Jun28/22

Mav16/23



un28/22

Report Id: VIAMAN [WUSCAR] 06124861 (Generated: 03/25/2024 07:50:27) Rev: 1

Submitted By: Jay Segadi