

## **OIL ANALYSIS REPORT**

# Roll Shop [Roll Shop] #1 Grinder-BIG GRINDER CALIPER CARRIAGE

Component Circulating System

PETRO CANADA ACCUFLO TK 68 (--- GAL)

### DIAGNOSIS

#### Recommendation

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

#### Wear

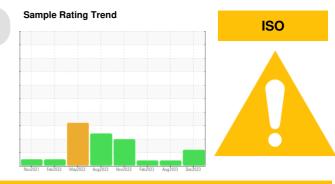
All component wear rates are normal.

#### Contamination

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

#### **Fluid Condition**

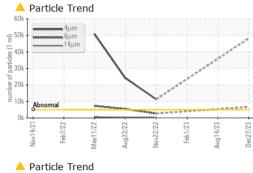
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

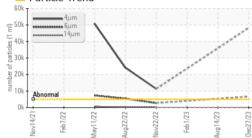


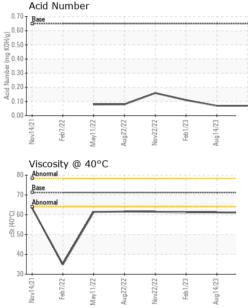
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0107742	PCA0101463	PCA0089494
Sample Date		Client Info		27 Dec 2023	14 Aug 2023	01 Feb 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		5	8	6
Chromium	ppm	ASTM D5185m		0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		0	0	<1
Lead	ppm	ASTM D5185m		0	0	<1
Copper	ppm	ASTM D5185m		0	0	<1
Tin	ppm	ASTM D5185m		0	0	0
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		<1	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum		ASTM D5185m		0	0	<1
-	ppm	ASTM D5185m		ں <1	<1	<1
Manganese	ppm	ASTM D5185m		3	4	6
Magnesium Calcium	ppm	ASTM D5185m		3 73	4 85	102
	ppm		73	32	67	66
Phosphorus	ppm	ASTM D5185m	73	24		
Zinc	ppm	ASTM D5185m	0000		29	34
Sulfur	ppm	ASTM D5185m	3600	1724	2101	1929
		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		11	11	9
Sodium	ppm	ASTM D5185m		3	5	2
Potassium	ppm	ASTM D5185m	>20	0	0	<1
Water	%	ASTM D6304		NEG	NEG	NEG
FLUID CLEAN	<u>-INESS</u>	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u> </u>		
Particles >6µm		ASTM D7647	>1300	<u> </u>		
Particles >14µm		ASTM D7647	>160	102		
Particles >21µm		ASTM D7647	>40	20		
Particles >38µm		ASTM D7647	>10	2		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>A</b> 23/20/14		
		ام م مالم م ما	limit/booo		In the transmission	biotom/0
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2



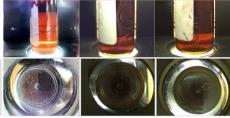
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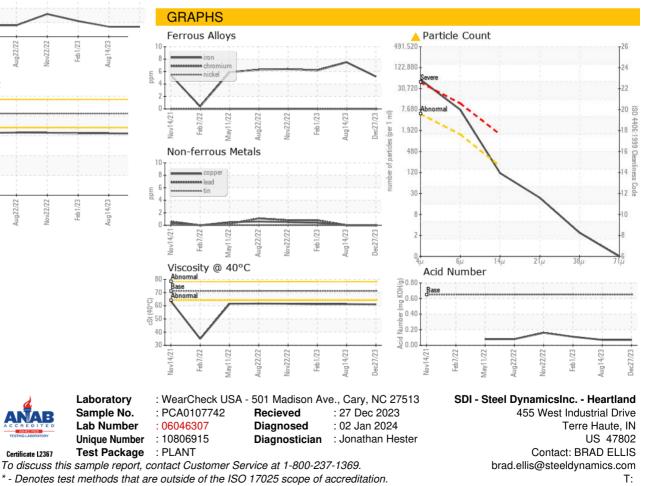




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	🔺 MODER	🔺 MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual		NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	71.2	61.0	61.2	61.2
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				a.	<b>B</b>	



Bottom



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: BRAD ELLIS - SDITER

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