

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

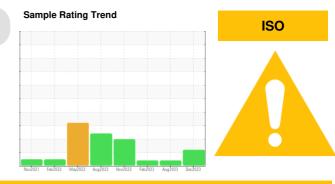
All component wear rates are normal.

Contamination

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

Fluid Condition

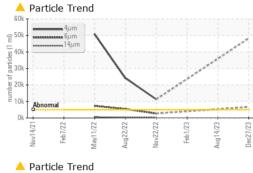
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

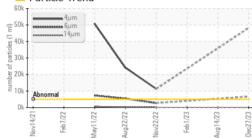


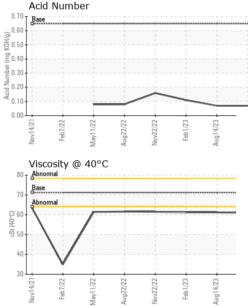
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0107742	PCA0101463	PCA0089494
Sample Date		Client Info		27 Dec 2023	14 Aug 2023	01 Feb 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample 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	A 23/20/14		
		ام م مالم م ما	limit/booo		In the transmission	biotom/0
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2



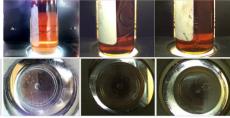
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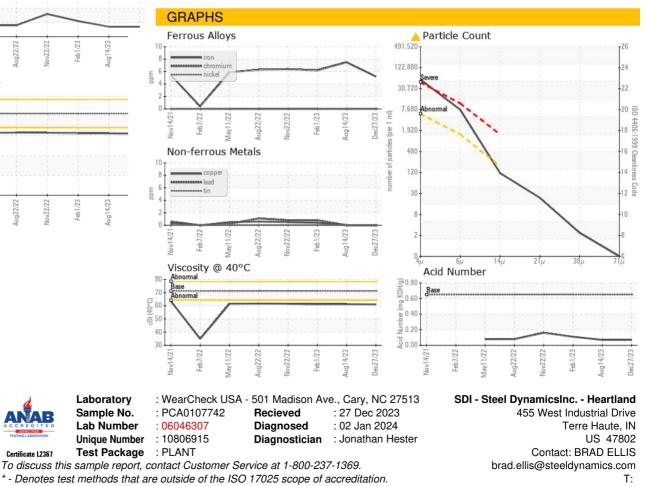




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	🔺 MODER	🔺 MODER
Sand/Dirt	scalar	*Visual	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	



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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