

OIL ANALYSIS REPORT



Machine Id **124** Component **Diesel Engine** Fluid **PETRO CANADA 15W40 (--- GAL)**

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

🔺 Wear

The aluminum level is abnormal. All other component wear rates are normal.

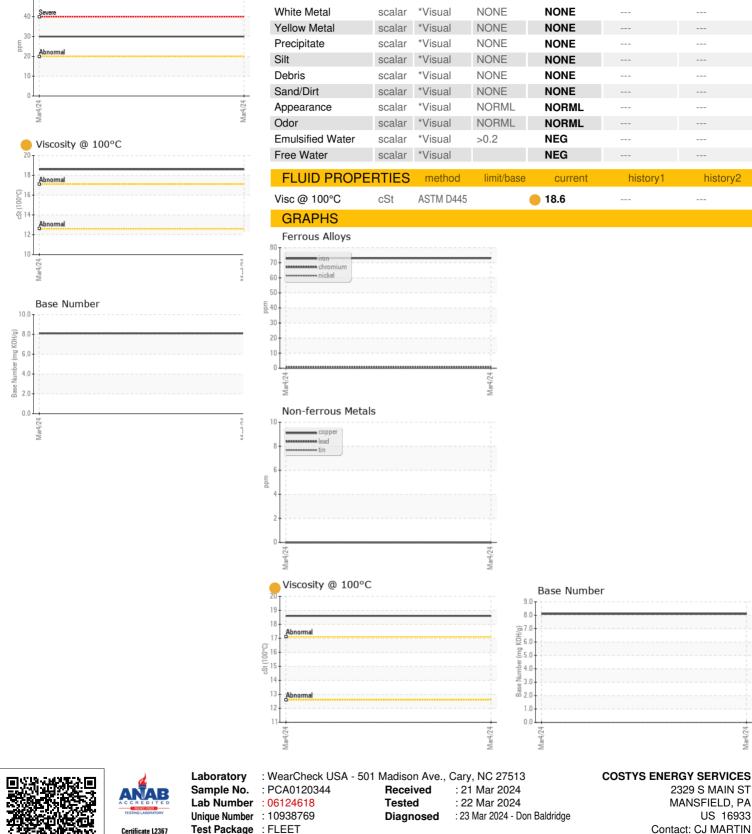
Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The oil viscosity is higher than normal. The BN result indicates that there is suitable alkalinity remaining in the oil.

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0120344		
Sample Date		Client Info		04 Mar 2024		
Machine Age	mls	Client Info		90047		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	73		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	<u> </u>		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	0		
Tin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		9		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		53		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		883		
Calcium	ppm	ASTM D5185m		1176		
Phosphorus	ppm	ASTM D5185m		1051		
Zinc	ppm	ASTM D5185m		1326		
Sulfur	ppm	ASTM D5185m		4428		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	16		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	2		
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INFRA-RED		method	limit/base	current	history1	history2
INFRA-RED Soot %	%	method *ASTM D7844	limit/base	current 1.6	history1	nistory2
	% Abs/cm			1.6		
Soot %		*ASTM D7844	>3			
Soot % Nitration	Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624	>3 >20	1.6 11.0		
Soot % Nitration Sulfation FLUID DEGRAE	Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624 *ASTM D7415 method	>3 >20 >30 limit/base	1.6 11.0 21.5 current		
Soot % Nitration Sulfation	Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624 *ASTM D7415	>3 >20 >30 limit/base	1.6 11.0 21.5	 history1	 history2



To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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

OIL

50

DIAGNOSTICS

Aluminum (ppm)

Contact/Location: CJ MARTIN - COSMAN

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OIL ANALYSIS REPORT

method

limit/base

current

history1

history2

VISUAL