

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id **CATERPILLAR 938G 77** Component **Transmission**

PETRO CANADA 30W (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

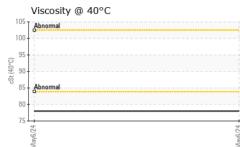
Fluid Condition

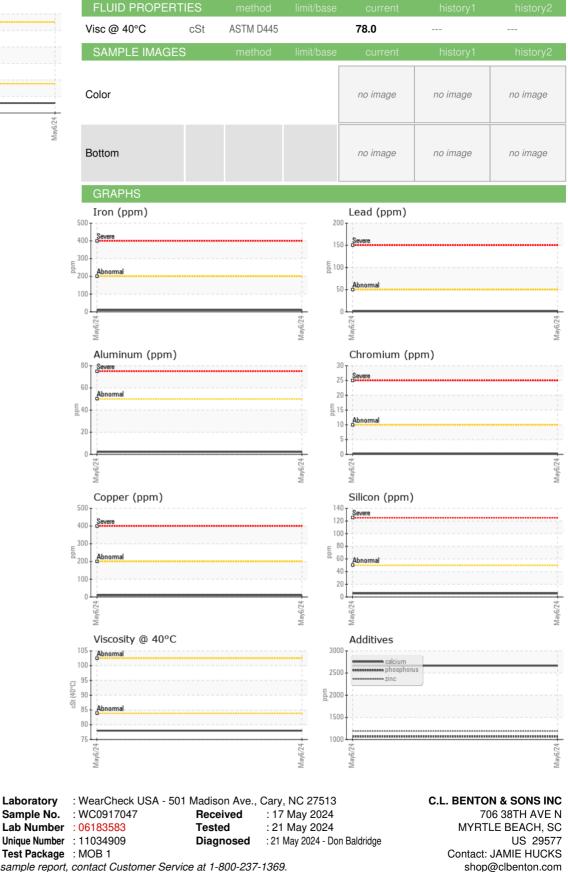
The condition of the fluid is acceptable for the time in service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0917047		
Sample Date		Client Info		06 May 2024		
Machine Age	hrs	Client Info		6274		
Oil Age	hrs	Client Info		500		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	10		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>50	2		
Lead	ppm	ASTM D5185m	>50	2		
Copper	ppm	ASTM D5185m	>200	- 10		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m	210	<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		18		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		5		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		43		
Calcium	ppm	ASTM D5185m		2666		
Phosphorus	ppm	ASTM D5185m		1066		
Zinc	ppm	ASTM D5185m		1192		
Sulfur	ppm	ASTM D5185m		6151		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	6		
Sodium	ppm	ASTM D5185m		22		
Potassium	ppm	ASTM D5185m	>20	3		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	LIGHT		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
0001						
Emulsified Water	scalar	*Visual	>0.1	NEG		
			>0.1			



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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)

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Certificate 12367

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