

# **OIL ANALYSIS REPORT**

Sample Rating Trend



### Area **Tractors** Machine Id **UTL003** Component

Component Transmission (Manual) Fluid PETRO CANADA DURATRAN (--- LTR)

# DIAGNOSIS

#### Recommendation

We advise that you check all areas where contaminants can enter the system. We suspect that the abnormal contaminant(s) is the result of incorrect sampling technique. DISCLAIMER: Interpretation of results is based on the sample as received from the customer. The condition of the sample and the method of sampling cannot be verified.

#### Wear

All component wear rates are normal.

#### Contamination

Moderate concentration of visible dirt/debris present in the fluid.

# Fluid Condition

The fluid is no longer serviceable due to the presence of contaminants.

			Jan2023	Nov2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0075075	PC0067297	
Sample Date		Client Info		14 Nov 2023	25 Jan 2023	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	NORMAL	
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>200	14	10	
Chromium	ppm	ASTM D5185(m)	>5	0	0	
Nickel	ppm	ASTM D5185(m)	>5	0	0	
Titanium	ppm	ASTM D5185(m)		0	<1	
Silver	ppm	ASTM D5185(m)	>7	<1	0	
Aluminum	ppm	ASTM D5185(m)	>25	6	1	
Lead	ppm	ASTM D5185(m)	>45	<1	0	
Copper	ppm	ASTM D5185(m)	>225	4	4	
Tin	ppm	ASTM D5185(m)	>10	0	0	
Antimony	ppm	ASTM D5185(m)		0	<1	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	110	25	98	
Barium	ppm	ASTM D5185(m)	0.0	<1	0	
Molybdenum	ppm	ASTM D5185(m)	0.0	<1	1	
Manganese	ppm	ASTM D5185(m)	1	0	<1	
Magnesium	ppm	ASTM D5185(m)	13	22	25	
Calcium	ppm	ASTM D5185(m)	3610	2567	3500	
Phosphorus	ppm	ASTM D5185(m)	1192	918	1142	
Zinc	ppm	ASTM D5185(m)	1455	1113	1326	
Sulfur	ppm	ASTM D5185(m)	2641	2569	2682	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>125	20	8	
Sodium	ppm	ASTM D5185(m)		4	2	
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	



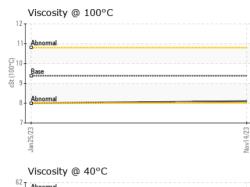
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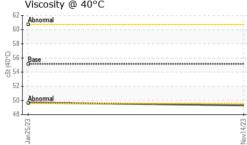
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history1

history2

Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

Validity of results and interpretation are based on the sample and information as supplied.

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