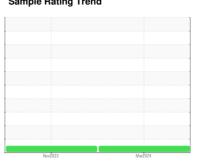


# **OIL ANALYSIS REPORT**

Sample Rating Trend







Machine Id 100-049

Right Swing Drive

PETRO CANADA TRAXON 80W90 (--- GAL

## Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

All component wear rates are normal.

## Contamination

There is no indication of any contamination in the oil.

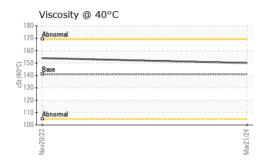
### **Fluid Condition**

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

SAMPLE INFORMATION   method   limit/base   current   history1   history2				Nov2023	Mar2024		
Sample Number   Client Info   WC0920813   WC0872862				10042023	Marcoza		
Contamination   Contaminatio	SAMPLE INFORM	//ATION	method	limit/base	current	history1	history2
Machine Age	Sample Number		Client Info		WC0920813	WC0872862	
Dil Age	Sample Date		Client Info		21 Mar 2024	20 Nov 2023	
Contamped   Client Info   N/A   Normal   Norma	Machine Age	hrs	Client Info		0	0	
NORMAL   NORMAL   CONTAMINATION   method   limit/base   current   history1   history2   water   WC Method   Sol. 2   NEG   NEG   Sol. 2   NEG   NEG   Sol. 2   NEG   NEG   Sol. 2   NEG   NEG   Sol. 2   Sol. 2   NEG   Sol. 2   NEG   Sol. 2   Sol. 2   NEG   Sol. 2   Sol. 2   Sol. 2   NEG   Sol. 2   S	Oil Age	hrs	Client Info		0	0	
Water   WC Method   Solution   Solution   Water   WC Method   Solution   Solution   Water   WC Method   Solution   Solution   Solution   Water   WC Method   Solution   Solution   Solution   Water   WC Method   Solution   Water	Oil Changed		Client Info		N/A	Changed	
Water         WC Method         >0.2         NEG         NEG	Sample Status				NORMAL	NORMAL	
WEAR METALS	CONTAMINATION	V	method	limit/base	current	history1	history2
	Water		WC Method	>0.2	NEG	NEG	
Chromium	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185(m)	>400	81	26	
Description	Chromium	ppm	ASTM D5185(m)	>10	1	<1	
Silver	Nickel	ppm	ASTM D5185(m)	>10	0	<1	
Aluminum	Titanium	ppm	ASTM D5185(m)		0	0	
Lead	Silver	ppm	ASTM D5185(m)		0	<1	
Copper         ppm         ASTM D5185(m)         >200         10         3            Tin         ppm         ASTM D5185(m)         >10         0         0            Antimony         ppm         ASTM D5185(m)         >5         0         0            Vanadium         ppm         ASTM D5185(m)         0         0            Vanadium         ppm         ASTM D5185(m)         0         0            Beryllium         ppm         ASTM D5185(m)         0         0            Cadmium         ppm         ASTM D5185(m)         0         0            Cadmium         ppm         ASTM D5185(m)         243         135         <1	Aluminum	ppm	ASTM D5185(m)	>25	<1	<1	
Tin	Lead	ppm	ASTM D5185(m)	>50	0	<1	
Antimony	Copper	ppm	ASTM D5185(m)	>200	10	3	
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)         243         135         <1	Tin	ppm	ASTM D5185(m)	>10	0	0	
Beryllium	Antimony	ppm	ASTM D5185(m)	>5	0	0	
Cadmium         ppm         ASTM D5185(m)         0         0            ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185(m)         243         135         <1	Vanadium	ppm	ASTM D5185(m)		0	0	
ADDITIVES	Beryllium	ppm	ASTM D5185(m)		0	0	
Boron   ppm   ASTM D5185(m)   243   135   <1	Cadmium	ppm	ASTM D5185(m)		0	0	
Barium         ppm         ASTM D5185(m)         1         <1         2            Molybdenum         ppm         ASTM D5185(m)         0         0            Manganese         ppm         ASTM D5185(m)         2         0            Magnesium         ppm         ASTM D5185(m)         2         1         0            Calcium         ppm         ASTM D5185(m)         6         7         1            Phosphorus         ppm         ASTM D5185(m)         987         709         233            Zinc         ppm         ASTM D5185(m)         1         10         26            Sulfur         ppm         ASTM D5185(m)         21530         16071         11540            Lithium         ppm         ASTM D5185(m)         <1	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum         ppm         ASTM D5185(m)         0         0            Manganese         ppm         ASTM D5185(m)         2         0            Magnesium         ppm         ASTM D5185(m)         2         1         0            Calcium         ppm         ASTM D5185(m)         6         7         1            Phosphorus         ppm         ASTM D5185(m)         987         709         233            Zinc         ppm         ASTM D5185(m)         1         10         26            Sulfur         ppm         ASTM D5185(m)         21530         16071         11540            Lithium         ppm         ASTM D5185(m)         <1         <1            CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185(m)         >50         13         4            Sodium         ppm         ASTM D5185(m)         <1         1	Boron	ppm	ASTM D5185(m)	243	135	<1	
Manganese         ppm         ASTM D5185(m)         2         0            Magnesium         ppm         ASTM D5185(m)         2         1         0            Calcium         ppm         ASTM D5185(m)         6         7         1            Phosphorus         ppm         ASTM D5185(m)         987         709         233            Zinc         ppm         ASTM D5185(m)         1         10         26            Sulfur         ppm         ASTM D5185(m)         21530         16071         11540            Lithium         ppm         ASTM D5185(m)         <1	Barium	ppm	ASTM D5185(m)	1	<1	2	
Magnesium         ppm         ASTM D5185(m)         2         1         0            Calcium         ppm         ASTM D5185(m)         6         7         1            Phosphorus         ppm         ASTM D5185(m)         987         709         233            Zinc         ppm         ASTM D5185(m)         1         10         26            Sulfur         ppm         ASTM D5185(m)         21530         16071         11540            Lithium         ppm         ASTM D5185(m)         <1	Molybdenum	ppm	ASTM D5185(m)		0	0	
Calcium         ppm         ASTM D5185(m)         6         7         1            Phosphorus         ppm         ASTM D5185(m)         987         709         233            Zinc         ppm         ASTM D5185(m)         1         10         26            Sulfur         ppm         ASTM D5185(m)         21530         16071         11540            Lithium         ppm         ASTM D5185(m)         <1	Manganese	ppm	ASTM D5185(m)		2	0	
Phosphorus         ppm         ASTM D5185(m)         987         709         233            Zinc         ppm         ASTM D5185(m)         1         10         26            Sulfur         ppm         ASTM D5185(m)         21530         16071         11540            Lithium         ppm         ASTM D5185(m)         <1         <1            CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185(m)         >50         13         4            Sodium         ppm         ASTM D5185(m)         <1         1	Magnesium	ppm	ASTM D5185(m)	2	1	0	
Zinc   ppm   ASTM D5185(m)   1   10   26	Calcium	ppm	ASTM D5185(m)	6	7	1	
Sulfur         ppm         ASTM D5185(m)         21530         16071         11540            Lithium         ppm         ASTM D5185(m)         <1         <1            CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185(m)         >50         13         4            Sodium         ppm         ASTM D5185(m)         <1	Phosphorus	ppm	ASTM D5185(m)	987	709	233	
Lithium         ppm         ASTM D5185(m)         <1         <1            CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185(m)         >50         13         4            Sodium         ppm         ASTM D5185(m)         <1         1	Zinc	ppm	ASTM D5185(m)	1	10	26	
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185(m)         >50         13         4            Sodium         ppm         ASTM D5185(m)         <1	Sulfur	ppm	ASTM D5185(m)	21530	16071	11540	
Silicon         ppm         ASTM D5185(m)         >50         13         4            Sodium         ppm         ASTM D5185(m)         <1         1	Lithium	ppm	ASTM D5185(m)		<1	<1	
Sodium         ppm         ASTM D5185(m)         <1	CONTAMINANTS	;	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185(m)	>50	13	4	
Potassium ppm ASTM D5185(m) >20 <1 0	Sodium	ppm	ASTM D5185(m)		<1	1	
	Potassium	ppm	ASTM D5185(m)	>20	<1	0	

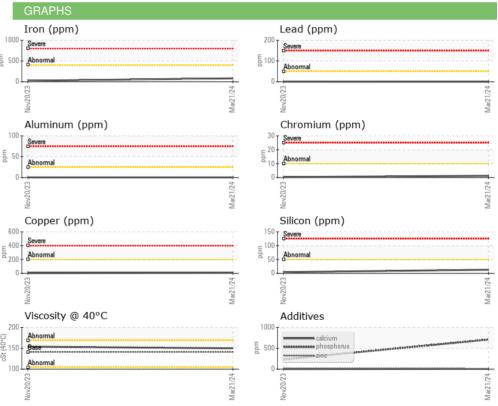


# **OIL ANALYSIS REPORT**



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE	
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	
Precipitate	scalar	Visual*	NONE	NONE	NONE	
Silt	scalar	Visual*	NONE	NONE	NONE	
Debris	scalar	Visual*	NONE	VLITE	VLITE	
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	
Appearance	scalar	Visual*	NORML	NORML	NORML	
Odor	scalar	Visual*	NORML	NORML	NORML	
<b>Emulsified Water</b>	scalar	Visual*	>0.2	NEG	NEG	
Free Water	scalar	Visual*		NEG	NEG	
FLUID PROPERT	TES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	141.0	150	154	

O/NVII EL IIVI/NGEO	methed	mini base	Odifont	Thotory	History
Color					no image
Bottom					no image
GRAPHS					
Iron (nnm)			l d /\		





CALA ISO 17025:2017 Accredited Laboratory

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 RONI/IRON SHORE EXCAVATING LTD. Sample No. : WC0920813

Lab Number : 02629309 Unique Number : 5762441

Received **Tested** Diagnosed

: 16 Apr 2024 : 16 Apr 2024

: 16 Apr 2024 - Wes Davis

100 MACINTOSH BLVD

VAUGHAN, ON CA L4K 4P3 Contact: Service Team

Test Package : MOBCE ( Additional Tests: Visual ) To discuss this sample report, contact Customer Service at 1-800-268-2131.

service.team@roni.ca

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.

T:

F: