

OIL ANALYSIS REPORT



Machine Id **224** Component **Front Right Final Drive** Fluid **PETRO CANADA TRAXON 80W90 (--- LTR)**

DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0920868		
Sample Date		Client Info		26 Mar 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATIC	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>500	53		
Chromium	ppm	ASTM D5185(m)	>10	0		
Nickel	ppm	ASTM D5185(m)	>10	0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>25	0		
Lead	ppm	ASTM D5185(m)	>25	2		
Copper	ppm	ASTM D5185(m)	>50	114		
Tin	ppm	ASTM D5185(m)	>10	0		
Antimony	ppm	ASTM D5185(m)	>5	0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	243	175		
Barium	ppm	ASTM D5185(m)	1	4		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		1		
Magnesium	ppm	ASTM D5185(m)	2	1		
Calcium	ppm	ASTM D5185(m)	6	13		
Phosphorus	ppm	ASTM D5185(m)	987	1686		
Zinc	ppm	ASTM D5185(m)	1	39		
Sulfur	ppm	ASTM D5185(m)	21530	25035		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	4		
Sodium	ppm	ASTM D5185(m)		1		
Potassium	ppm	ASTM D5185(m)	>20	2		



120 100

2000

1500 툡 1000 500 0. Mar26/24

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		/ISUAL		method				history2
	W	hite Metal	scalar	Visual*	NONE	NONE		
		ellow Metal	scalar	Visual*	NONE	NONE		
1		ecipitate	scalar	Visual*	NONE	NONE		
1								
24								
ar26/1								
≥								
					>0.2			
	Fr	ee Water	scalar	Visual*		NEG		
	F	LUID PROPERT	ES	method	limit/base	current	history1	history2
	Vis	sc @ 40°C	cSt	ASTM D7279(m)	141.0	113		
				method	limit/base	current	historv1	history2
				method	innivoase	Current	motory	motoryz
4								
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Ma								
	Bo	ottom					no image	no image
	БС	Alloni				62	nonnage	no image
	0	GRAPHS						
		ron (ppm)				Lead (ppm)		
		Severe				Samara		
2	튭 1000	Abnormal			E 100			
1000	0							
P.V.	A CLOC	±7/07			26/24	26/24		1000 C 110
	, mark				Mar	Mar) N
		Aluminum (ppm)					m)	
		Severe				Quetere		
	udd rol	• 			E 20	Abnormal		
	0	Abnormal				[
	VC/J	0/24			6/24	6/24		6/74
	C~~ M	7 IPINI			Mar2	Mar2		Mar 2
	(Copper (ppm)				Silicon (ppm)		
	200 T					I Smire		
	Ē.100-				200	7		
		Abnormal			° 100	Abnormal		
	10	17/0			3/24	5/24		40
	36-1	171010			Mar26	Mar26		h C 3C - M
					_			2
	200 T				2000	T		
	0 0€ 150				E 1000	calcium		
		Abnormal				ARRENT STUC	J	
	100	4.7/		*********	74	724		74
	1000cmW	07101			Mar26/24	Mar26/24		4 <i>0</i> ,90,80
	Mar26/24		Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPERT Visc @ 40°C SAMPLE IMAGES Color Bottom GRAPHS Iron (ppm) Severe Abnormal Copper (ppm) Copper (ppm)	Silt scalar Debris scalar Appearance scalar Odor scalar Emulsified Water scalar Free Water scalar Free Water scalar Fluid PROPERTIES Visc @ 40°C cSt SAMPLE IMAGES Color Bottom GRAPHS Iron (ppm) Sever Aluminum (ppm) Gopper (ppm) Gopper (ppm) Copper (ppm) Generation Color	Silt scalar Visual* Debris scalar Visual* Sand/Dirt scalar Visual* Appearance scalar Visual* Odor scalar Visual* Emulsified Water scalar Visual* Free Water scalar Visual* Free Water scalar Visual* FLUID PROPERTIES method Visc @ 40°C cSt ASTM D7279(m) SAMPLE IMAGES method Color Bottom GRAPHS Iron (ppm)	Silt scalar Visual* NONE Debris scalar Visual* NONE Sand/Dirt scalar Visual* NONE Appearance scalar Visual* NORML Odor scalar Visual* NORML Emulsified Water scalar Visual* NORML Emulsified Water scalar Visual* O.2 Free Water scalar Visual* So.2 Free Water scalar Visual* FLUID PROPERTIES method limit/base Visc @ 40°C cSt ASTMD7279(m) 141.0 SAMPLE IMAGES method limit/base Color Bottom Aluminum (ppm)	Sitt scalar Visual* NONE MODER Debris scalar Visual* NONE VLITE Sand/Dirt scalar Visual* NONE NORML Appearance scalar Visual* NORML NORML Odor scalar Visual* NORML NORML Emulsified Water scalar Visual* NORML NORML Visc @ 40°C cSt ASTMD7279(m) 141.0 113 SAMPLE IMAGES method imit/base current Visc @ 40°C cSt ASTMD7279(m) 141.0 113 SAMPLE IMAGES method imit/base current Color Color GRAPHS Iron (ppm) Muminum (ppm) Muminum (ppm) Copper (ppm) Muminum (ppm) Copper (ppm) Muminum (ppm) Silicon (ppm) Silicon (ppm) Muminum (ppm) Copper (ppm) Muminum (ppm) Mu	Sitt scalar Visual* NONE MODER Debris scalar Visual* NONE VLITE Sand/Dirt scalar Visual* NONE NONE Appearance scalar Visual* NORML NORML Emulsified Water scalar Visual* NORML NORML Free Water scalar Visual* ->.2 NEG Free Water scalar Visual* ->.2 NEG Free Water scalar Visual* SAMPLE IMAGES method imit/base current history1 Visc @ 40°C cSt ASTMD7276(m) 141.0 113 SAMPLE IMAGES method imit/base current history1 Color no image Bottom no image GRAPHS Tron (ppm)

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Contact/Location: Service Team - RONVAU Page 2 of 2