

OIL ANALYSIS REPORT



Area RONI Machine Id 175 Component Swing Drive Fluid PETRO CANADA TRAXON 80W90 (--- GAL)

DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. 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 oil.

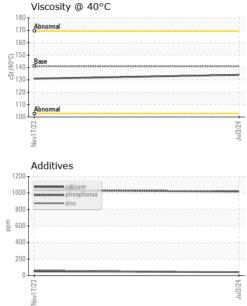
Fluid Condition

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 INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0932684	WC0873037	
Sample Date		Client Info		03 Jul 2024	17 Nov 2023	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Not Changd	N/A	
Sample Status				NORMAL	NORMAL	
CONTAMINATION	۷	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>400	49	93	
Chromium	ppm	ASTM D5185(m)	>10	<1	2	
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	
Titanium	ppm	ASTM D5185(m)		<1	0	
Silver	ppm	ASTM D5185(m)		0	<1	
Aluminum	ppm	ASTM D5185(m)	>25	5	<1	
Lead	ppm	ASTM D5185(m)	>50	0	<1	
Copper	ppm	ASTM D5185(m)	>200	2	8	
Tin	ppm	ASTM D5185(m)	>10	0	0	
Antimony	ppm	ASTM D5185(m)	>5	0	0	
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	246	189	
Barium	ppm	ASTM D5185(m)	1	<1	2	
Molybdenum	ppm	ASTM D5185(m)		0	1	
Manganese	ppm	ASTM D5185(m)		<1	2	
Magnesium	ppm	ASTM D5185(m)	2	26	24	
Calcium	ppm	ASTM D5185(m)	6	42	50	
Phosphorus	ppm	ASTM D5185(m)	987	1018	1034	
Zinc	ppm	ASTM D5185(m)	1	38	64	
Sulfur	ppm	ASTM D5185(m)	21530	17389	17040	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	28	9	
Sodium	ppm	ASTM D5185(m)		2	4	
Potassium	ppm	ASTM D5185(m)	>20	3	<1	



OIL ANALYSIS REPORT



history1 history ONE ONE ONE ONE ONE ONE ONE ONE	NONE NONE NONE NONE	limit/base NONE NONE NONE NONE	method Visual* Visual* Visual*	scalar scalar	VISUAL White Metal Yellow Metal
ONE ONE ONE ONE	NONE NONE NONE NONE	NONE NONE	Visual*		
ONE ONE ONE	NONE NONE NONE	NONE		scalar	Vallow Matal
ONE ONE	NONE NONE		Vieual*		reliow wetai
ONE	NONE	NONE	visuai	scalar	Precipitate
			Visual*	scalar	Silt
ONE		NONE	Visual*	scalar	Debris
	NONE	NONE	Visual*	scalar	Sand/Dirt
ORML	NORML	NORML	Visual*	scalar	Appearance
ORML	NORML	NORML	Visual*	scalar	Odor
EG	NEG	>0.2	Visual*	scalar	Emulsified Water
EG	NEG		Visual*	scalar	Free Water
history1 history	current	limit/base	method	IES	FLUID PROPERTI
31		141.0	ASTM D7279(m)	cSt	Visc @ 40°C
history1 history	current	limit/base	method	;	SAMPLE IMAGES
no image					Color
no image					Bottom
					GRAPHS
	Lead (ppm)				
	Lead (ppm) Severe	200·			GRAPHS Iron (ppm)
	Severe				Iron (ppm)
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	Abnormal	토 100-			Iron (ppm)
	Severe				Iron (ppm)
	Abnormal	토 100-			Iron (ppm)
	Abnormal	42000 142000000 1420000000 1420000000000			Iron (ppm)
	Abnormal EZZZINO Chromium (ppm) Severe	42000 142000000 1420000000 1420000000000			Aluminum (ppm)
	Abnormal	42/201 40 40 40 40 40 40 40 40 40 40 40 40 40			Iron (ppm)
	Abnormal EE2/LIMN Chromium (ppm) Severe Abnormal	4200 4200 200 200 200 200 200 200 200 20			Iron (ppm) Severe Abnormal EZZLING Aluminum (ppm) Severe Abnormal
	Abnormal EZZZINO Chromium (ppm) Severe	42/201 40 40 40 40 40 40 40 40 40 40 40 40 40			Aluminum (ppm)
	Abnormal EE2/LIMN Chromium (ppm) Severe Abnormal	4200 4200 200 200 200 200 200 200 200 20			Iron (ppm) Severe Abnormal Abnormal Abnormal EZZLINNN Aluminum (ppm) Severe Abnormal
	Abnormal ECZULINON Chromium (ppm) Severe	4200 4200 200 200 200 200 200 200 200 20			Iron (ppm) Severe Abnormal EZZLINNY Copper (ppm)
	Abnormal EZZ/LINN Chromium (ppm) Severe Abnormal Silicon (ppm) Severe	E 100.			Iron (ppm) Severe Abnormal EXZLINGY Aluminum (ppm) Severe Copper (ppm) Severe Abnormal
	Abnormal ECILING Chromium (ppm) Severe Abnormal ECILING Silicon (ppm)	42/201 42			Iron (ppm) Severe Abnormal EZZLINNY Aluminum (ppm) Severe Abnormal EZZLINNY Copper (ppm) Severe Abnormal
	Abnormal EZZ/LINN Chromium (ppm) Severe Abnormal Silicon (ppm) Severe Abnormal	4100 410 41			Iron (ppm) Severe Abnormal EZZ[//00] Aluminum (ppm) Severe Abnormal EZZ[//00] Copper (ppm) Severe Abnormal
	Abnormal EZZ/LINN Chromium (ppm) Severe Abnormal Silicon (ppm) Severe	42/201 42			Iron (ppm) Severe Abnormal EZZLINNY Aluminum (ppm) Severe Abnormal EZZLINNY Copper (ppm) Severe Abnormal
	Abnormal EZZ/LINN Chromium (ppm) Severe Abnormal Silicon (ppm) Severe Abnormal	4100 410 41			Iron (ppm) Severe Abnormal EZZ[//00] Aluminum (ppm) Severe Abnormal EZZ[//00] Copper (ppm) Severe Abnormal
	Abnormal EZULINN Chromium (ppm) Severe Abnormal EZULINN Silicon (ppm) Severe EZULINN Silicon (ppm)	4100 410 41			Iron (ppm) Severe Abnormal EZZINON Aluminum (ppm) Severe Abnormal EZZINON Copper (ppm) Severe Abnormal EZZINON Copper (ppm) Severe Abnormal EZZINON Copper (ppm)
	Abnormal EXILLING Chromium (ppm) Severe Abnormal EXILLING Silicon (ppm) Severe Abnormal EXILLING Chromium (ppm) Severe Chromium (ppm) Chromium (ppm) Severe Chromium (ppm) Chromium (ppm) Severe Chromium (ppm) Chromium (ppm) Severe Chromium (ppm) Chromium (p	42/201 42/201			Iron (ppm) Severe Abnormal EZZINON Aluminum (ppm) Severe Abnormal EZZINON Copper (ppm) Severe Abnormal EZZINON Copper (ppm) Severe Abnormal EZZINON Copper (ppm)
	Abnormal Abnormal Abnormal Bilicon (ppm) Severe Abnormal EZZ[100] Silicon (ppm) Severe Abnormal EZZ[100] Silicon (ppm)	42/201 42/201			Iron (ppm) Severe Abnormal EXILING Copper (ppm) Severe Abnormal EXILING Copper (ppm) Severe Abnormal EXILING Copper (ppm) Severe Abnormal Base Abnormal Base
	Abnormal EXILLING Chromium (ppm) Severe Abnormal EXILLING Silicon (ppm) Severe Abnormal EXILLING Chromium (ppm) Severe Chromium (ppm) Chromium (ppm) Severe Chromium (ppm) Chromium (ppm) Severe Chromium (ppm) Chromium (ppm) Severe Chromium (ppm) Chromium (p	42/201 42/201			Iron (ppm) Severe Abnormal EZZ[1/00] Aluminum (ppm) Severe Abnormal EZZ[1/00] Copper (ppm) Severe Abnormal EZZ[1/00] Viscosity @ 40°C Abnormal EZZ[1/00]

To discuss this sample report, contact Customer Service at 1-800-268-2131. 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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Contact/Location: Service Team - RONVAU Page 2 of 2

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