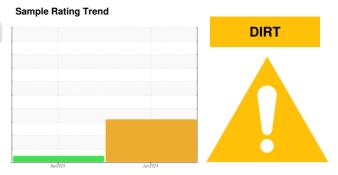


# **OIL ANALYSIS REPORT**

Machine Id **EX0354** 

Rear Right Final Drive

PETRO CANADA TRAXON E SYNTHETIC 80W-140 (5 LTR)



### **DIAGNOSIS**

#### Recommendation

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

#### Wear

Chromium ppm levels are abnormal. Aluminum ppm levels are noted. A sharp increase in the chromium level is noted.

#### Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. High amount of ingressed dirt has caused abrasive wear to the component.

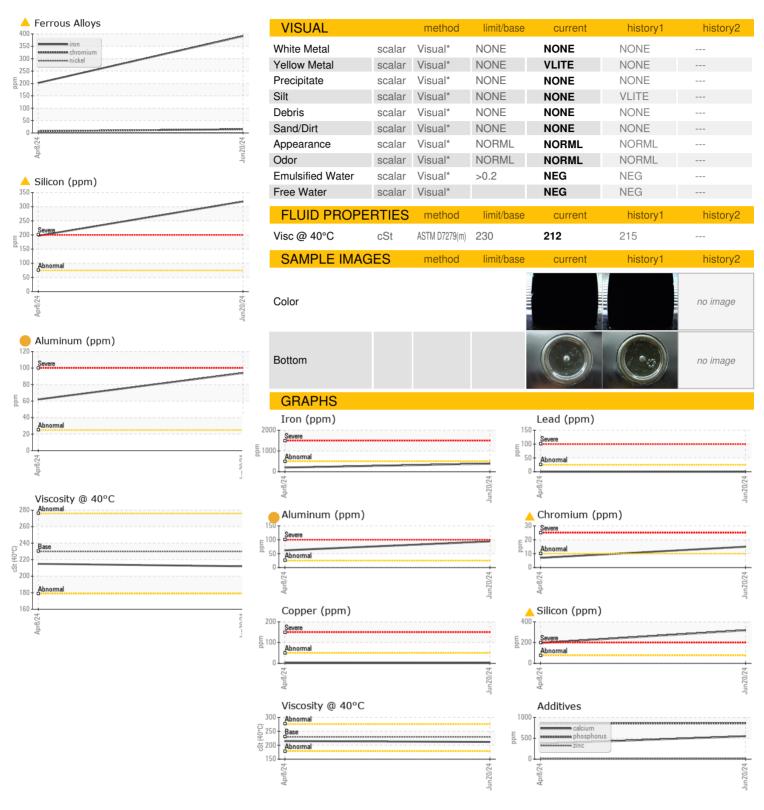
#### **Fluid Condition**

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0113439	GFL0113408	
Sample Date		Client Info		20 Jun 2024	08 Apr 2024	
Machine Age	hrs	Client Info		25281	24807	
Oil Age	hrs	Client Info		474	1000	
Oil Changed	1110	Client Info		Changed	Not Changd	
Sample Status		Olioni illio		ABNORMAL	NORMAL	
CONTAMINAT	TION.	method	limit/base	current		
	ION	WC Method			history1 NEG	history2
Water	_			NEG		
WEAR METAL	_S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>500	391	202	
Chromium	ppm	ASTM D5185(m)	>10	<u> </u>	7	
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	
Titanium	ppm	ASTM D5185(m)		5	3	
Silver	ppm	ASTM D5185(m)		<1	0	
Aluminum	ppm	ASTM D5185(m)	>25	94	62	
Lead	ppm	ASTM D5185(m)	>25	0	0	
Copper	ppm	ASTM D5185(m)	>50	1	<1	
Γin	ppm	ASTM D5185(m)	>10	0	0	
Antimony	ppm	ASTM D5185(m)	>5	1	<1	
√anadium	ppm	ASTM D5185(m)		<1	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)	202	156	104	
Barium	ppm	ASTM D5185(m)	<1	<1	<1	
Molybdenum	ppm	ASTM D5185(m)		1	0	
Manganese	ppm	ASTM D5185(m)		4	2	
Magnesium	ppm	ASTM D5185(m)	<1	29	20	
Calcium	ppm	ASTM D5185(m)		551	371	
Phosphorus	ppm	ASTM D5185(m)	1209	862	856	
Zinc	ppm	ASTM D5185(m)	1	20	12	
Sulfur	ppm	ASTM D5185(m)	20439	15194	16064	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	<b>△</b> 318	197	
Sodium	ppm	ASTM D5185(m)	-	23	14	
	-  - · · ·	( )				



## **OIL ANALYSIS REPORT**





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: GFL0113439 Lab Number : 02644066

Test Package : MOB 1

Unique Number : 5801605

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 720 - Lafleche - Landfill Received : 25 Jun 2024

**Tested** : 25 Jun 2024 Diagnosed

: 25 Jun 2024 - Kevin Marson

17125 Lafleche Road, Moose Creek, ON CA K0C 1W0 Contact: Charles Bergeron

cbergeron@gflenv.com T: (613)538-4853

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.