



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**SPARTAN 4037**  
Component  
**Differential**  
Fluid  
**PETRO CANADA TRAXON 80W90 (28 LTR)**

## RECOMMENDATION

Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

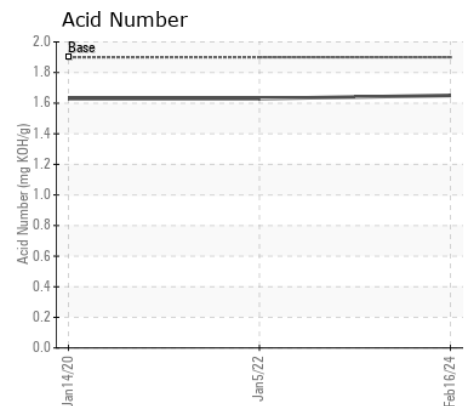
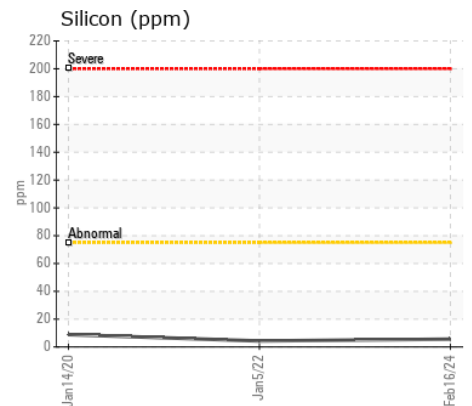
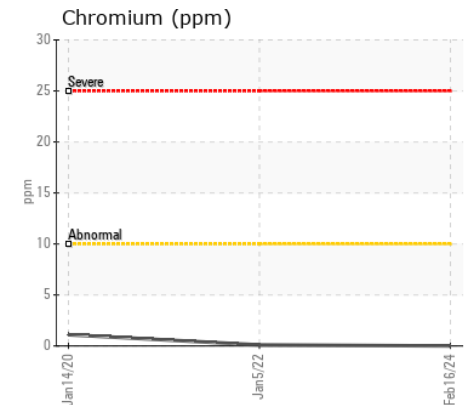
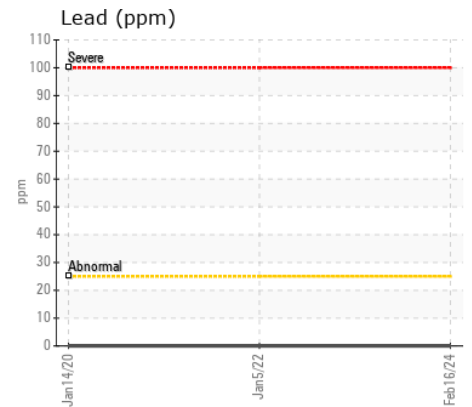
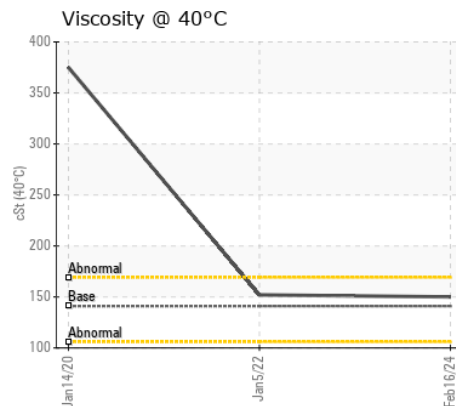
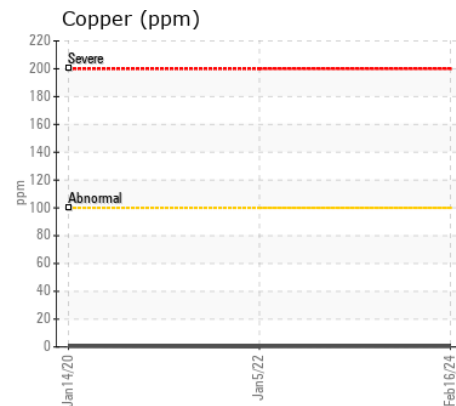
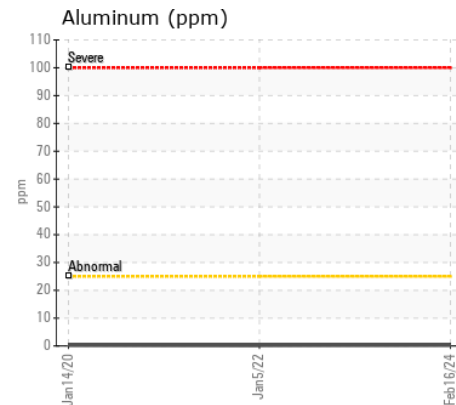
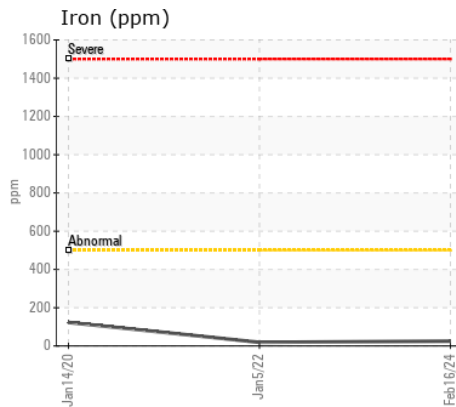
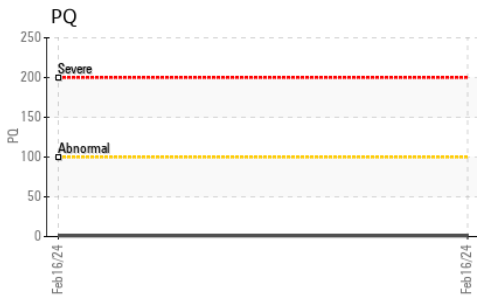
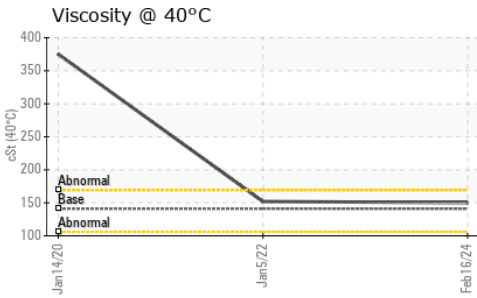
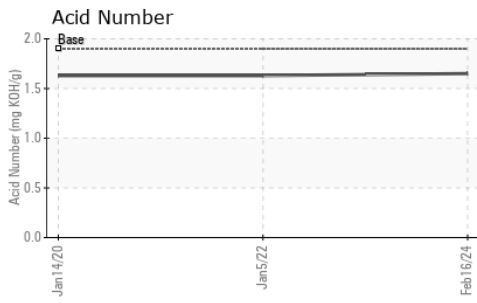
## CONTAMINATION

There is no indication of any contamination in the oil.

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0895869</b>	WC0623535	PC0020135
Sample Date		Client Info		<b>16 Feb 2024</b>	05 Jan 2022	14 Jan 2020
Machine Age	kms	Client Info		<b>63648</b>	0	50661
Oil Age	kms	Client Info		<b>0</b>	15000	0
Filter Age	kms	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Changed
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Changed
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL
PQ		ASTM D8184*		<b>1</b>	---	---
Iron	ppm	ASTM D5185(m)	>500	<b>25</b>	19	123
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	1
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185(m)	>25	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>100	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>75	<b>6</b>	4	9
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	3	10
Water		WC Method	>.2	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>.2	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185(m)		<b>1</b>	<1	2
Boron	ppm	ASTM D5185(m)	243	<b>206</b>	220	30
Barium	ppm	ASTM D5185(m)	1	<b>&lt;1</b>	<1	2
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	4
Magnesium	ppm	ASTM D5185(m)	2	<b>2</b>	1	5
Calcium	ppm	ASTM D5185(m)	6	<b>39</b>	32	178
Phosphorus	ppm	ASTM D5185(m)	987	<b>980</b>	1041	757
Zinc	ppm	ASTM D5185(m)	1	<b>12</b>	10	19
Sulfur	ppm	ASTM D5185(m)	21530	<b>22812</b>	22670	26881
Acid Number (AN)	mg KOH/g	ASTM D974*	1.9	<b>1.65</b>	1.63	1.63
Visc @ 40°C	cSt	ASTM D7279(m)	141.0	<b>150</b>	152	▲ 375



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0895869 **Received** : 27 Feb 2024  
**Lab Number** : 02618438 **Tested** : 28 Feb 2024  
**Unique Number** : 5735548 **Diagnosed** : 28 Feb 2024 - Wes Davis  
**Test Package** : MOB 2 ( Additional Tests: PQ, TAN Man )

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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