



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
General Kinetics - G03000
 Machine Id
SPARTAN/ROSENBAUER 4023
 Component
Differential
 Fluid
PETRO CANADA TRAXON 80W90 (10 LTR)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
 Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0895849	WC0777349	---
Sample Date		Client Info		21 May 2024	04 Jun 2023	---
Machine Age	kms	Client Info		144924	140266	---
Oil Age	kms	Client Info		103776	99118	---
Filter Age	kms	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		N/A	Not Changd	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	30	29	---
Chromium	ppm	ASTM D5185(m)	>10	0	0	---
Nickel	ppm	ASTM D5185(m)	>10	0	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>25	<1	<1	---
Lead	ppm	ASTM D5185(m)	>25	0	0	---
Copper	ppm	ASTM D5185(m)	>100	<1	0	---
Tin	ppm	ASTM D5185(m)	>10	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

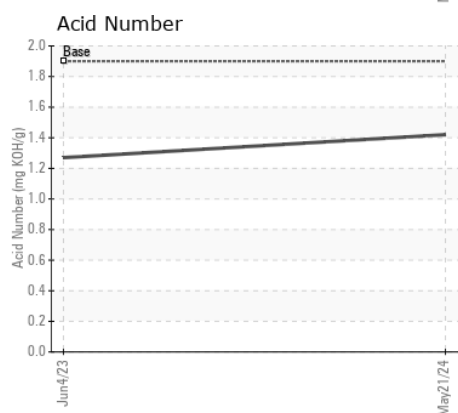
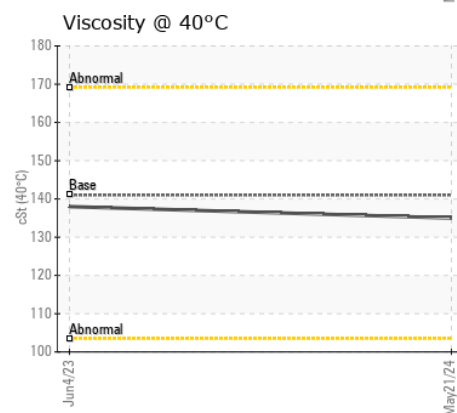
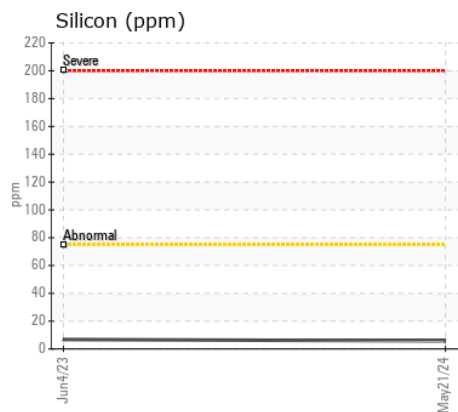
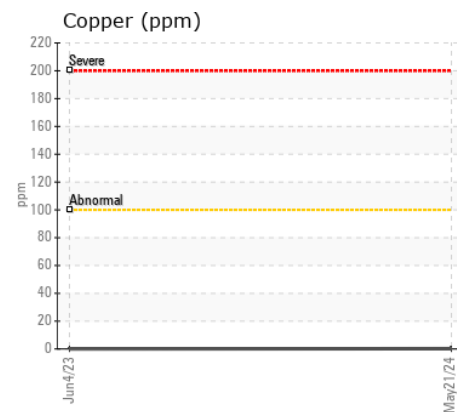
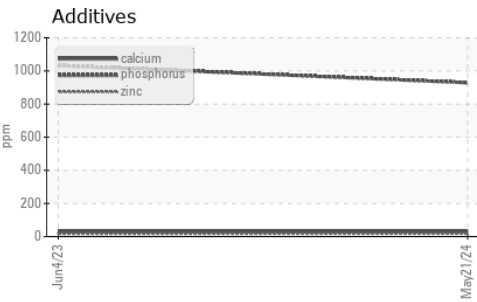
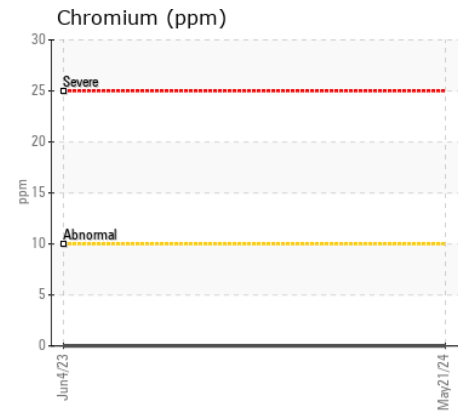
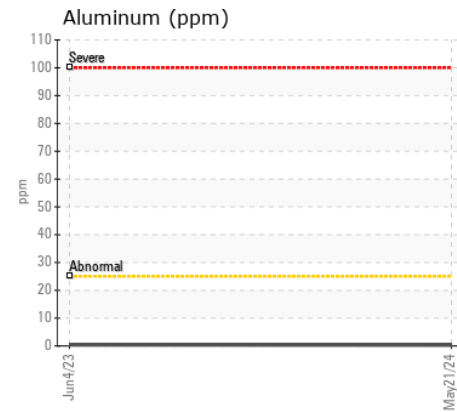
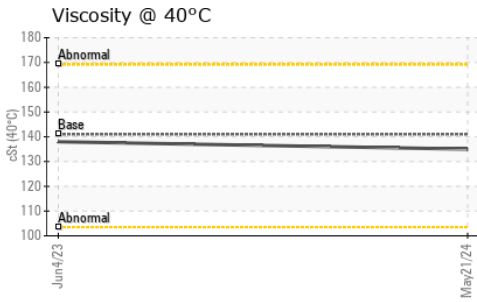
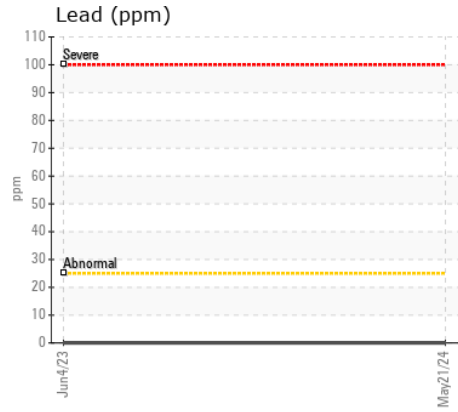
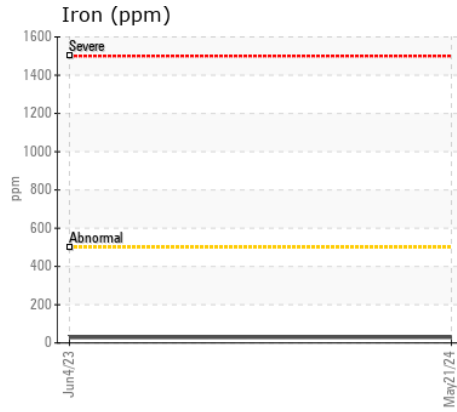
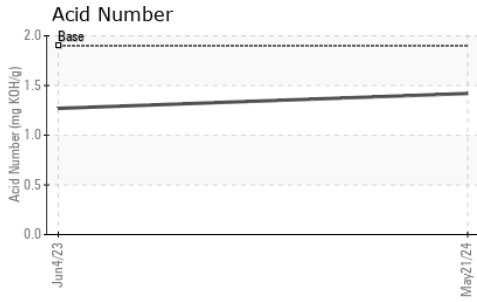
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>75	6	7	---
Potassium	ppm	ASTM D5185(m)	>20	1	2	---
Water		WC Method	>.2	NEG	NEG	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	VLITE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>.2	NEG	NEG	---

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil.
 The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		3	3	---
Boron	ppm	ASTM D5185(m)	243	220	216	---
Barium	ppm	ASTM D5185(m)	1	2	2	---
Molybdenum	ppm	ASTM D5185(m)		0	0	---
Manganese	ppm	ASTM D5185(m)		<1	<1	---
Magnesium	ppm	ASTM D5185(m)	2	19	18	---
Calcium	ppm	ASTM D5185(m)	6	29	29	---
Phosphorus	ppm	ASTM D5185(m)	987	929	1033	---
Zinc	ppm	ASTM D5185(m)	1	17	16	---
Sulfur	ppm	ASTM D5185(m)	21530	23430	24997	---
Acid Number (AN)	mg KOH/g	ASTM D974*	1.9	1.42	1.27	---
Visc @ 40°C	cSt	ASTM D7279(m)	141.0	135	138	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0895849 **Received** : 27 May 2024
Lab Number : 02637741 **Tested** : 27 May 2024
Unique Number : 5786903 **Diagnosed** : 27 May 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: TAN Man)

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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.