

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR


Machine Id
L-7
 Component
Front Left Final Drive
 Fluid
PETRO CANADA TRAXON 80W90 (--- GAL)



DIAGNOSIS

- Recommendation**
 No corrective action is recommended at this time. Resample at the next service interval to monitor.
- Wear**
 Gear wear is indicated.
- 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 acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0118539	---	---
Sample Date	Client Info	12 Feb 2024	---	---
Machine Age	hrs Client Info	41038	---	---
Oil Age	hrs Client Info	364	---	---
Oil Changed	Client Info	Not Chngd	---	---
Sample Status		ABNORMAL	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >500	▲ 732	---	---
Chromium ppm	ASTM D5185m >10	1	---	---
Nickel ppm	ASTM D5185m >10	<1	---	---
Titanium ppm	ASTM D5185m	<1	---	---
Silver ppm	ASTM D5185m	0	---	---
Aluminum ppm	ASTM D5185m >25	1	---	---
Lead ppm	ASTM D5185m >25	1	---	---
Copper ppm	ASTM D5185m >50	23	---	---
Tin ppm	ASTM D5185m >10	<1	---	---
Vanadium ppm	ASTM D5185m	0	---	---
Cadmium ppm	ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m 243	174	---	---
Barium ppm	ASTM D5185m 1	3	---	---
Molybdenum ppm	ASTM D5185m	2	---	---
Manganese ppm	ASTM D5185m	5	---	---
Magnesium ppm	ASTM D5185m 2	11	---	---
Calcium ppm	ASTM D5185m 6	707	---	---
Phosphorus ppm	ASTM D5185m 987	923	---	---
Zinc ppm	ASTM D5185m 1	329	---	---
Sulfur ppm	ASTM D5185m 21530	18177	---	---

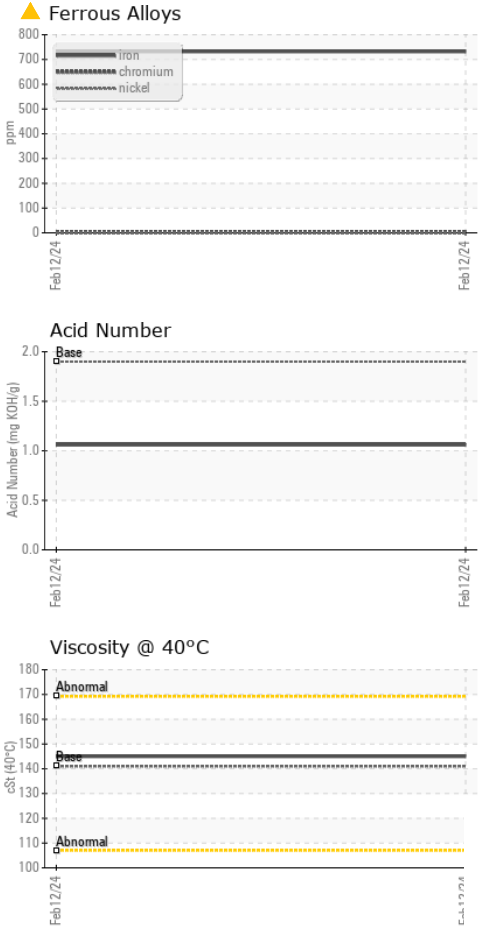
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >75	33	---	---
Sodium ppm	ASTM D5185m	0	---	---
Potassium ppm	ASTM D5185m >20	2	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D8045 1.9	1.06	---	---

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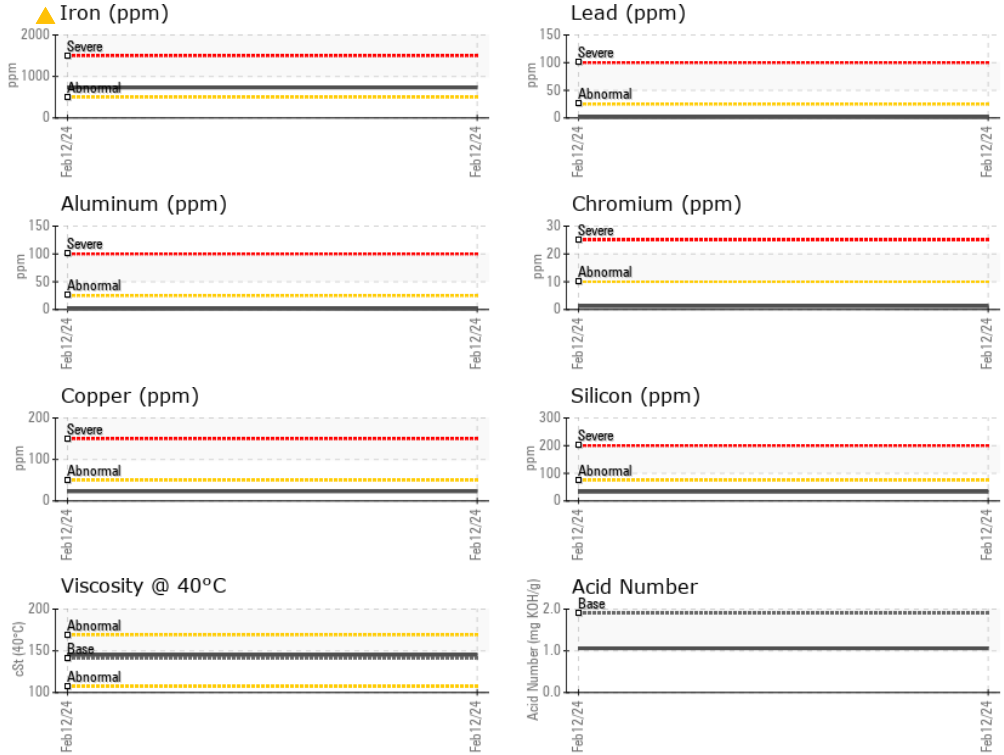


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	LIGHT	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	141.0	145	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0118539 **Received** : 20 Feb 2024
Lab Number : 06094362 **Tested** : 21 Feb 2024
Unique Number : 10887215 **Diagnosed** : 21 Feb 2024 - Sean Felton
Test Package : MOB 2

SCRAP METAL SERVICES (SMS Mill Services LLC)
 1500 COMMERCIAL AVE
 MINGO JUNCTION, OH
 US 43938
 Contact: FRANK NALLY
 fnally@scrapmetalservices.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)