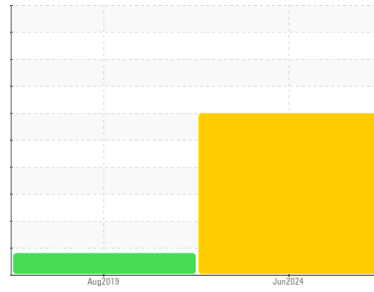


OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
TEREX D16
 Component
Transmission (Manual)
 Fluid
PETRO CANADA PRODURO TO-4 SAE 30 (--- GAL)

DIAGNOSIS

▲ Recommendation

Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

▲ Wear

Clutch and/or bushing/bearing wear is indicated.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0123729	PCA0003898	---
Sample Date	Client Info		12 Jun 2024	12 Aug 2019	---
Machine Age	hrs	Client Info	7631	564	---
Oil Age	hrs	Client Info	7067	250	---
Oil Changed	Client Info		Changed	Changed	---
Sample Status			SEVERE	ABNORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	49	8	---
Chromium	ppm	ASTM D5185m >5	0	0	---
Nickel	ppm	ASTM D5185m >5	0	0	---
Titanium	ppm	ASTM D5185m	1	0	---
Silver	ppm	ASTM D5185m >7	3	0	---
Aluminum	ppm	ASTM D5185m >25	5	2	---
Lead	ppm	ASTM D5185m >45	14	<1	---
Copper	ppm	ASTM D5185m >225	▲ 1327	▲ 693	---
Tin	ppm	ASTM D5185m >10	0	<1	---
Antimony	ppm	ASTM D5185m	---	0	---
Vanadium	ppm	ASTM D5185m	<1	0	---
Cadmium	ppm	ASTM D5185m	<1	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	7	3	---
Barium	ppm	ASTM D5185m 0	2	0	---
Molybdenum	ppm	ASTM D5185m 0	5	8	---
Manganese	ppm	ASTM D5185m 9	<1	0	---
Magnesium	ppm	ASTM D5185m 1	68	117	---
Calcium	ppm	ASTM D5185m 3131	2496	1832	---
Phosphorus	ppm	ASTM D5185m 1194	1044	882	---
Zinc	ppm	ASTM D5185m 1281	1015	886	---
Sulfur	ppm	ASTM D5185m 3811	4410	3179	---

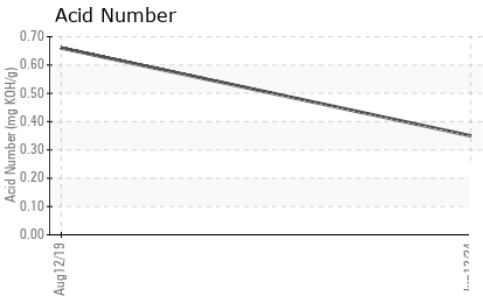
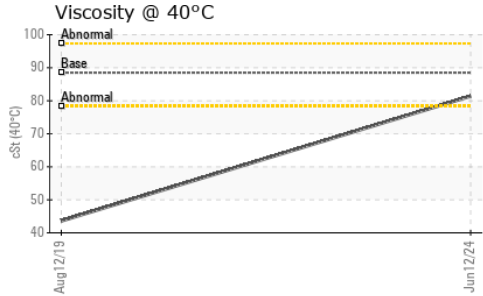
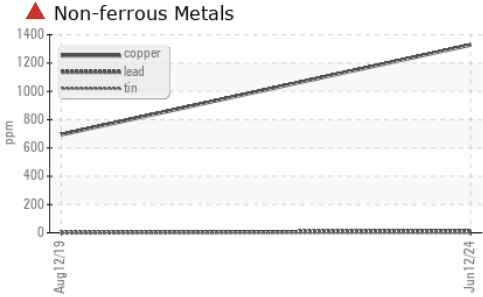
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >125	11	4	---
Sodium	ppm	ASTM D5185m	3	<1	---
Potassium	ppm	ASTM D5185m >20	1	<1	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.35	0.660	---

OIL ANALYSIS REPORT



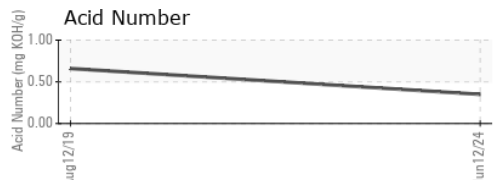
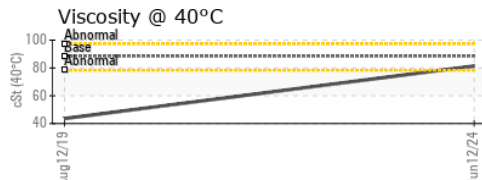
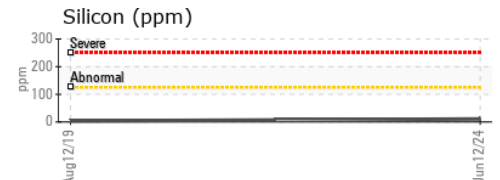
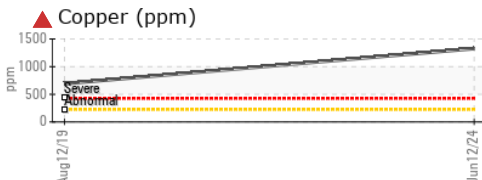
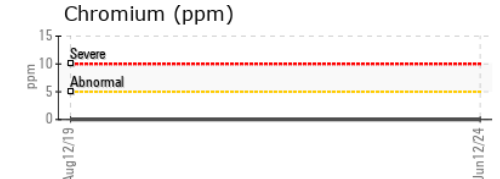
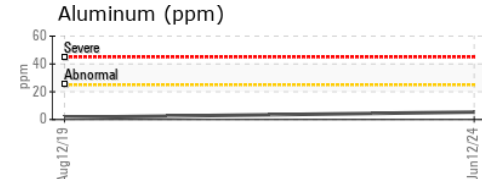
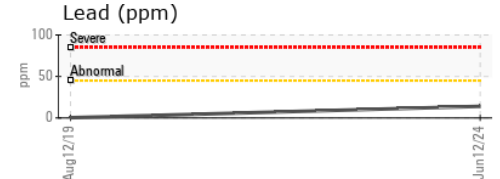
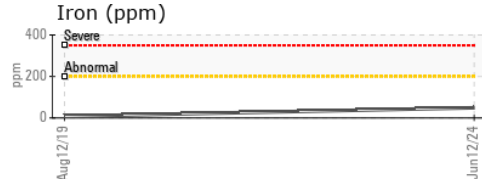
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	88.5	81.4	43.6

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0123729 **Received** : 19 Jun 2024
Lab Number : 06214916 **Tested** : 21 Jun 2024
Unique Number : 11087780 **Diagnosed** : 21 Jun 2024 - Don Baldrige
Test Package : MOB 2

SCRAP METAL SERVICES (SMS Mill Services LLC)
 1500 COMMERCIAL AVE
 MINGO JUNCTION, OH
 US 43938
 Contact: STAN MANN
 smann@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)