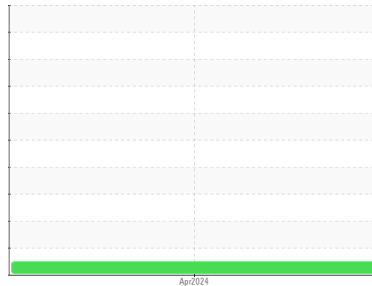


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
Hurricane Creek 1 DAY TANK
 Component
New (Unused) Oil
 Fluid
PETRO CANADA SENTRON LD 3000 (--- GAL)

DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0117228	---	---
Sample Date	Client Info	25 Apr 2024	---	---
Machine Age	hrs Client Info	132595	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	Not Chngd	---	---
Sample Status		NORMAL	---	---

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >5	0	---	---
Chromium	ppm ASTM D5185m >5	0	---	---
Nickel	ppm ASTM D5185m >5	0	---	---
Titanium	ppm ASTM D5185m	0	---	---
Silver	ppm ASTM D5185m >5	0	---	---
Aluminum	ppm ASTM D5185m >5	<1	---	---
Lead	ppm ASTM D5185m >5	0	---	---
Copper	ppm ASTM D5185m >5	0	---	---
Tin	ppm ASTM D5185m >5	0	---	---
Vanadium	ppm ASTM D5185m	0	---	---
Cadmium	ppm ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 5	0	---	---
Barium	ppm ASTM D5185m 1	0	---	---
Molybdenum	ppm ASTM D5185m 2	<1	---	---
Manganese	ppm ASTM D5185m 1	0	---	---
Magnesium	ppm ASTM D5185m 5	5	---	---
Calcium	ppm ASTM D5185m 1220	1358	---	---
Phosphorus	ppm ASTM D5185m 298	286	---	---
Zinc	ppm ASTM D5185m 350	347	---	---
Sulfur	ppm ASTM D5185m 1995	2659	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >15	5	---	---
Sodium	ppm ASTM D5185m	<1	---	---
Potassium	ppm ASTM D5185m >20	<1	---	---

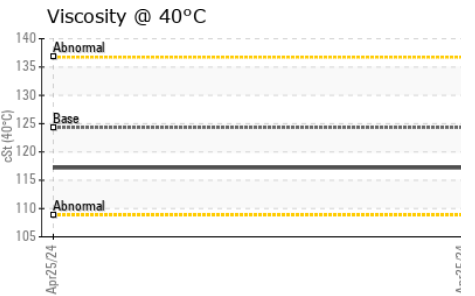
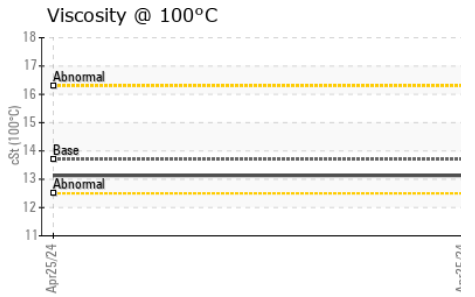
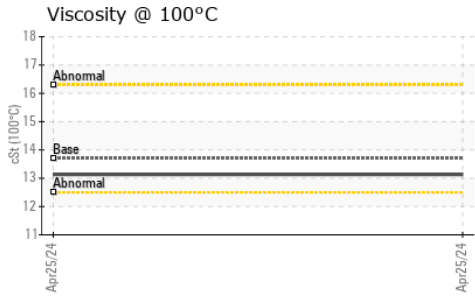
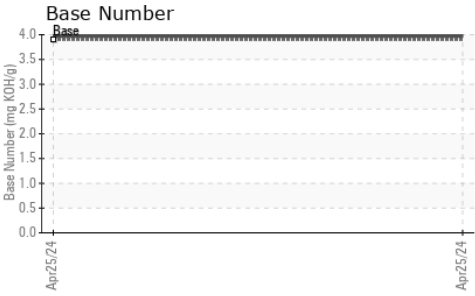
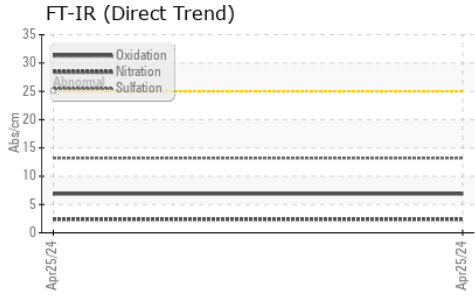
INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844	0	---	---
Nitration	Abs/cm *ASTM D7624	2.4	---	---
Sulfation	Abs/.1mm *ASTM D7415	13.2	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414	6.9	---	---
Acid Number (AN)	mg KOH/g ASTM D8045 0.86	0.643	---	---
Base Number (BN)	mg KOH/g ASTM D2896 3.9	3.97	---	---



OIL ANALYSIS REPORT



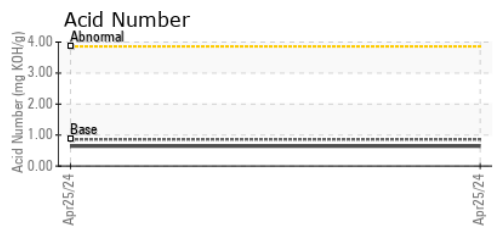
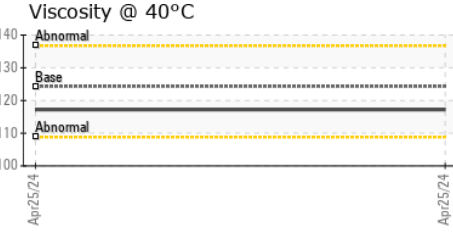
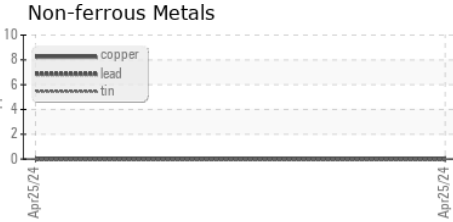
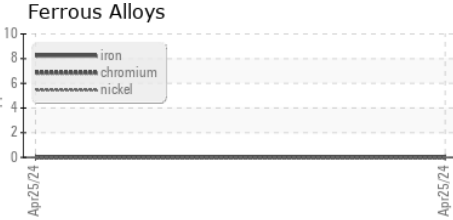
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	124.3	117.2	---	---
Visc @ 100°C	cSt	ASTM D445	13.7	13.13	---	---
Viscosity Index (VI)	Scale	ASTM D2270	106	106	---	---

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. : PCA0117228 **Received** : 09 May 2024
Lab Number : 06174527 **Tested** : 16 May 2024
Unique Number : 11020580 **Diagnosed** : 16 May 2024 - Jonathan Hester
Test Package : MOB 2 (Additional Tests: FT-IR, FuelDilution, ICP-NewOil, KV100, PercentFuel, PrtCount, ContAct) Service Manager

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)