



Machine Id
2327222
Component
Front Tandem
Fluid
DIESEL ENGINE OIL SAE 10W30 (--- QTS)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0123180	---	---
Sample Date		Client Info		01 Jul 2024	---	---
Machine Age	mls	Client Info		20000	---	---
Oil Age	mls	Client Info		20000	---	---
Filter Age	mls	Client Info		20000	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				ABNORMAL	---	---

WEAR

Bearing and/or bushing wear is indicated. All other metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>425	71	---	---
Chromium	ppm	ASTM D5185m	>5	3	---	---
Nickel	ppm	ASTM D5185m	>5	3	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		<1	---	---
Aluminum	ppm	ASTM D5185m	>5	▲ 59	---	---
Lead	ppm	ASTM D5185m		2	---	---
Copper	ppm	ASTM D5185m	>8	▲ 289	---	---
Tin	ppm	ASTM D5185m		15	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

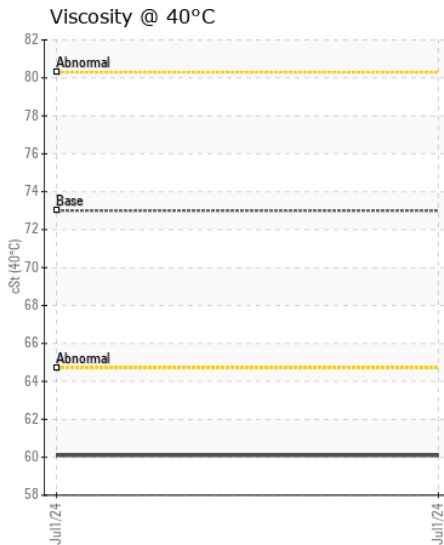
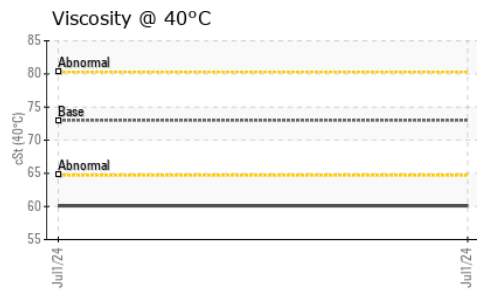
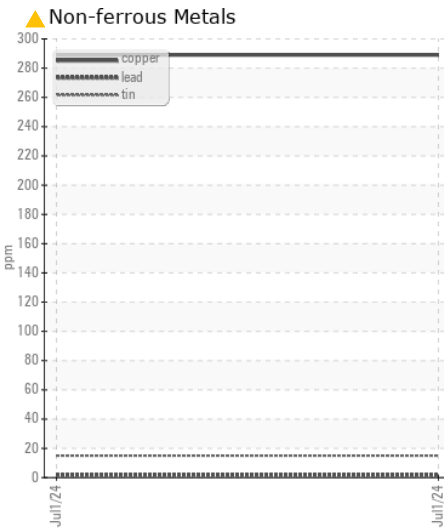
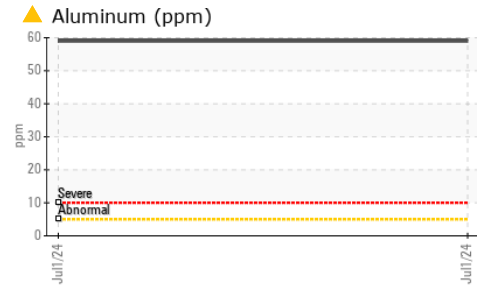
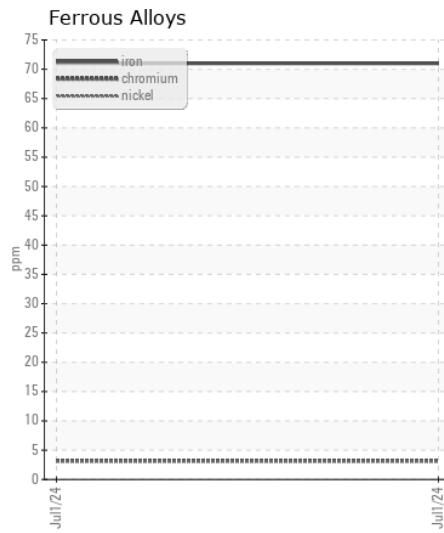
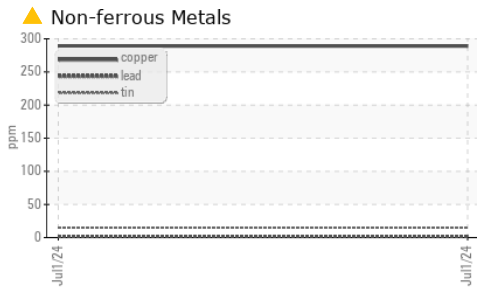
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	9	---	---
Potassium	ppm	ASTM D5185m	>20	165	---	---
Water		WC Method	>0.2	NEG	---	---
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	>0.2	NEG	---	---

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		8	---	---
Boron	ppm	ASTM D5185m	250	35	---	---
Barium	ppm	ASTM D5185m	10	0	---	---
Molybdenum	ppm	ASTM D5185m	100	47	---	---
Manganese	ppm	ASTM D5185m		5	---	---
Magnesium	ppm	ASTM D5185m	450	500	---	---
Calcium	ppm	ASTM D5185m	3000	1798	---	---
Phosphorus	ppm	ASTM D5185m	1150	725	---	---
Zinc	ppm	ASTM D5185m	1350	777	---	---
Sulfur	ppm	ASTM D5185m	4250	3107	---	---
Visc @ 40°C	cSt	ASTM D445	73	60.1	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : PCA0123180

Lab Number : 06233603

Unique Number : 11117096

Test Package : FLEET

Received : 11 Jul 2024

Tested : 12 Jul 2024

Diagnosed : 13 Jul 2024 - Don Baldrige

PERDUE FARMS - SALISBURY

7036 ZION CHURCH ROAD

SALISBURY, MD

US 21802

Contact: RICHARD O'NEAL

richard.oneal@perdue.com

T: (410)543-3628

F: (410)341-2164

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)