



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 1 - Cowen

Machine Id
PETERBILT 337 2NP2HJ6X1MM732487

Component
Transmission

Fluid
JOHN DEERE HD SynTran (5 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0049675	LEC0021323	---
Sample Date		Client Info		01 Apr 2024	19 May 2021	---
Machine Age	mls	Client Info		62098	9474	---
Oil Age	mls	Client Info		62098	9474	---
Filter Age	mls	Client Info		62098	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		Changed	Not Changd	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		20	23	---
Iron	ppm	ASTM D5185m	>200	32	20	---
Chromium	ppm	ASTM D5185m	>10	0	<1	---
Nickel	ppm	ASTM D5185m		0	<1	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>50	16	6	---
Lead	ppm	ASTM D5185m	>50	4	3	---
Copper	ppm	ASTM D5185m	>200	8	3	---
Tin	ppm	ASTM D5185m	>10	3	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

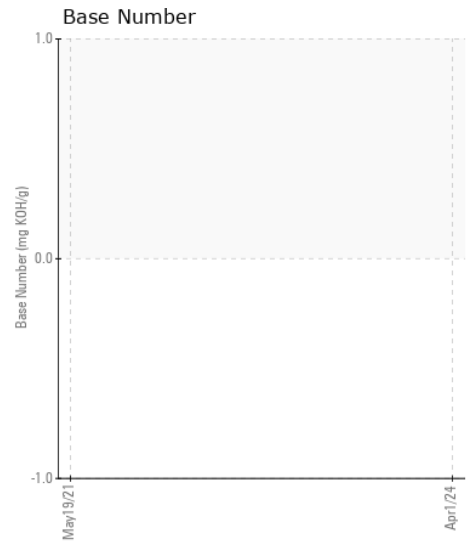
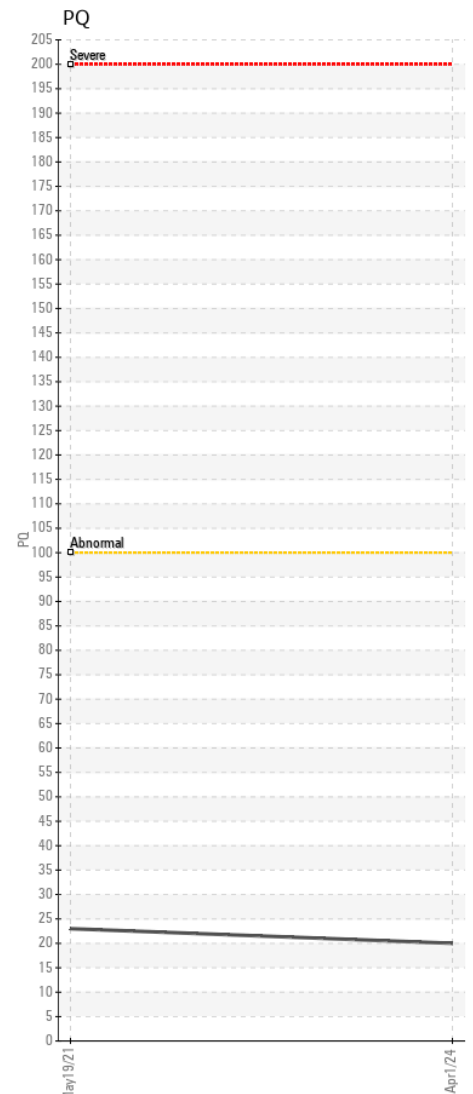
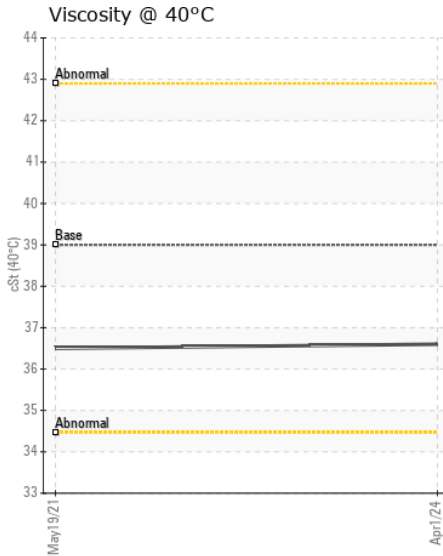
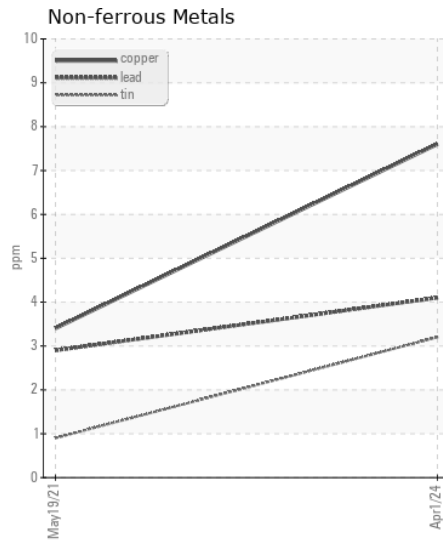
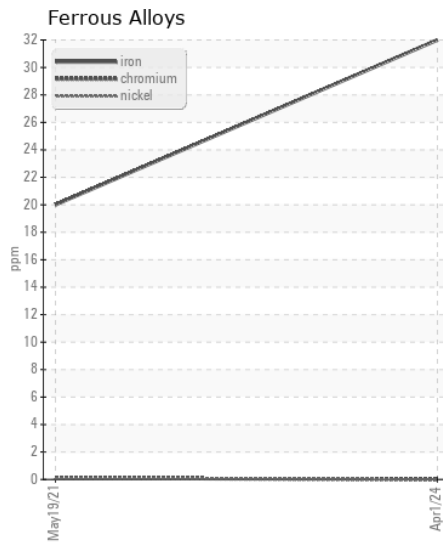
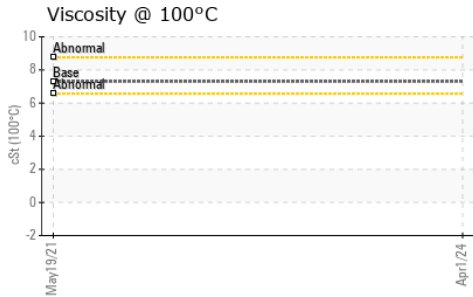
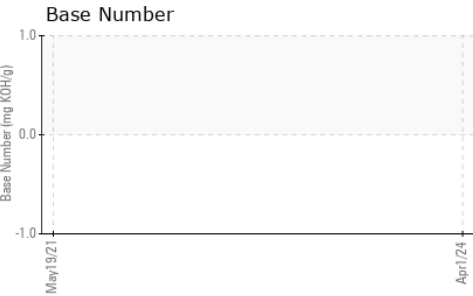
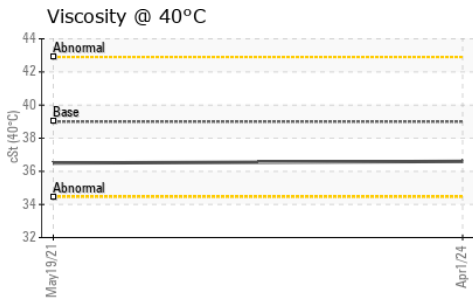
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>50	2	2	---
Potassium	ppm	ASTM D5185m	>20	4	2	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		3	5	---
Boron	ppm	ASTM D5185m	168	126	145	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		<1	1	---
Manganese	ppm	ASTM D5185m		<1	1	---
Magnesium	ppm	ASTM D5185m		3	<1	---
Calcium	ppm	ASTM D5185m	33	105	36	---
Phosphorus	ppm	ASTM D5185m	330	338	286	---
Zinc	ppm	ASTM D5185m	0	23	0	---
Sulfur	ppm	ASTM D5185m	980	833	697	---
Visc @ 40°C	cSt	ASTM D445	39	36.6	36.5	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0049675 **Received** : 10 Apr 2024
Lab Number : 06145382 **Tested** : 15 Apr 2024
Unique Number : 10970190 **Diagnosed** : 15 Apr 2024 - Doug Bogart
Test Package : CONST (Additional Tests: FT-IR, KV100, PQ, TBN)

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)

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