



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**[FL-13]**  
 Machine Id  
**PETTIBONE 204-H FL-13 (S/N CL10137-12)**  
 Component  
**Center Transmission**  
 Fluid  
**DURALENE Trans-Flo UTF (8 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>DC0028673</b>	DC0021957	---
Sample Date		Client Info		<b>14 Dec 2023</b>	23 Aug 2022	---
Machine Age	hrs	Client Info		<b>13497</b>	12563	---
Oil Age	hrs	Client Info		<b>1000</b>	250	---
Filter Age	hrs	Client Info		<b>500</b>	250	---
Oil Changed		Client Info		<b>Not Changed</b>	Changed	---
Filter Changed		Client Info		<b>Not Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	<b>31</b>	16	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>50	<b>2</b>	2	---
Lead	ppm	ASTM D5185m	>50	<b>5</b>	<1	---
Copper	ppm	ASTM D5185m	>200	<b>11</b>	3	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	VLITE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

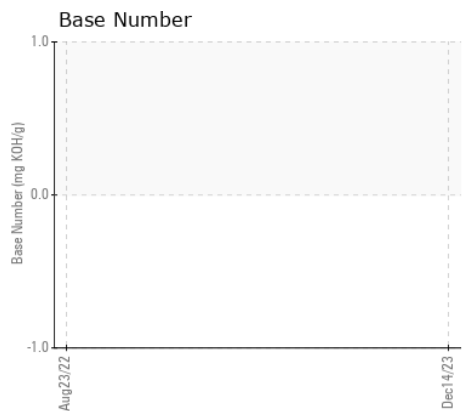
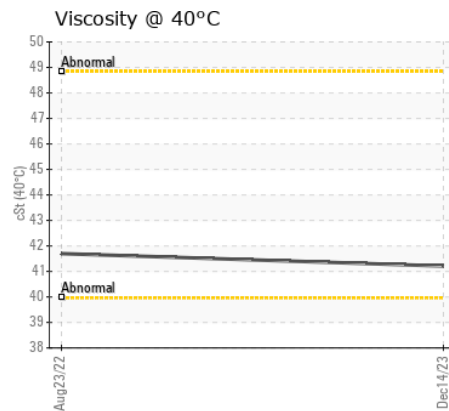
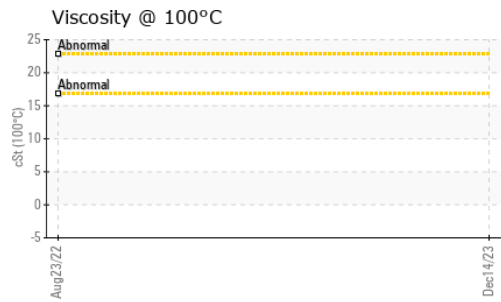
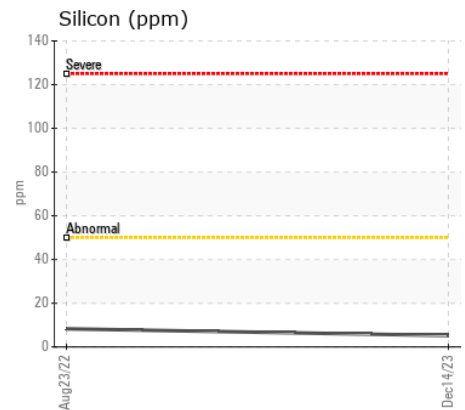
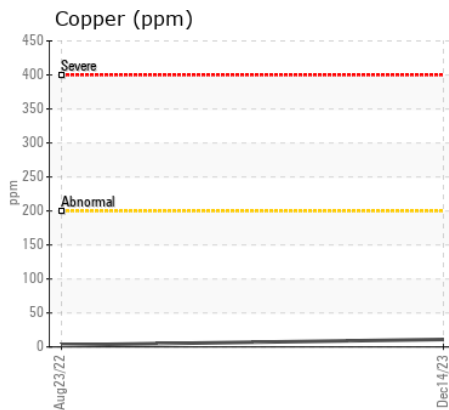
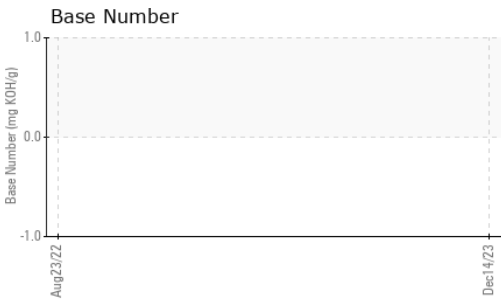
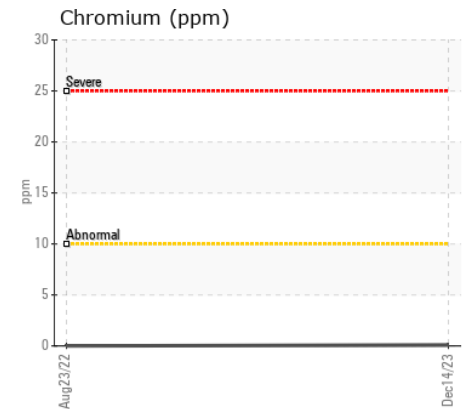
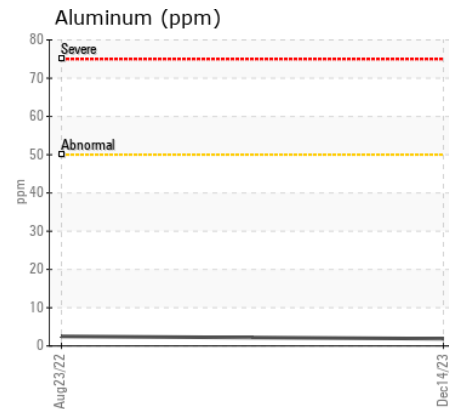
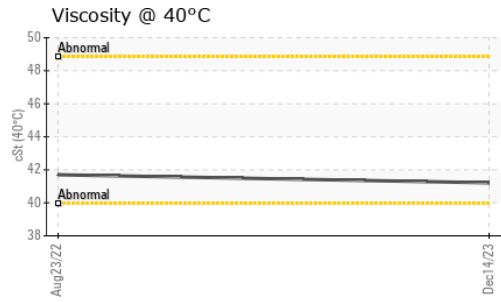
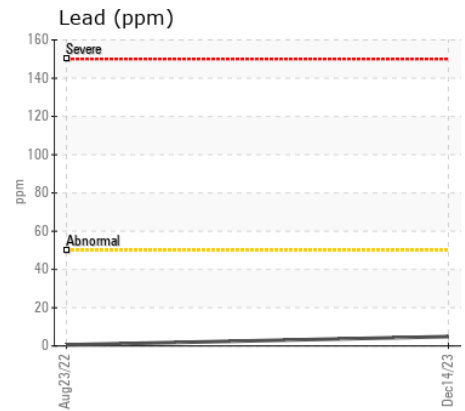
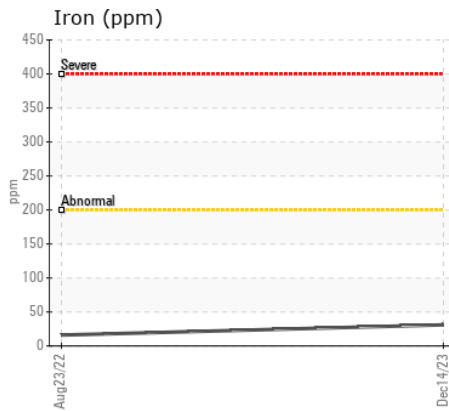
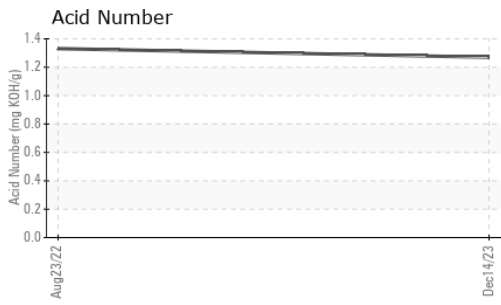
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>50	<b>5</b>	8	---
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	0	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	---

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>10</b>	8	---
Boron	ppm	ASTM D5185m		<b>12</b>	85	---
Barium	ppm	ASTM D5185m		<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185m		<b>3</b>	3	---
Manganese	ppm	ASTM D5185m		<b>2</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>42</b>	36	---
Calcium	ppm	ASTM D5185m		<b>2271</b>	3072	---
Phosphorus	ppm	ASTM D5185m		<b>869</b>	992	---
Zinc	ppm	ASTM D5185m		<b>1007</b>	1201	---
Sulfur	ppm	ASTM D5185m		<b>3269</b>	4200	---
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>1.27</b>	1.331	---
Visc @ 40°C	cSt	ASTM D445		<b>41.21</b>	41.7	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : DC0028673 **Received** : 11 Jan 2024  
**Lab Number** : 06058690 **Diagnosed** : 18 Jan 2024  
**Unique Number** : 10830072 **Diagnostician** : Jonathan Hester  
**Test Package** : MOB 1 ( Additional Tests: FT-IR, KV100, 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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