



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CATERPILLAR 972H L10 A7D01072
 Component
Transmission (Manual)
 Fluid
TRC PRO-TAC IV 30 SAE 30W (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR06101110	TR06065822	---
Sample Date		Client Info		21 Feb 2024	04 Jan 2024	---
Machine Age	hrs	Client Info		11532	11282	---
Oil Age	hrs	Client Info		250	2500	---
Filter Age	hrs	Client Info		250	2500	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		N/A	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	3	13	---
Chromium	ppm	ASTM D5185m	>5	<1	0	---
Nickel	ppm	ASTM D5185m	>5	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>7	<1	<1	---
Aluminum	ppm	ASTM D5185m	>25	<1	<1	---
Lead	ppm	ASTM D5185m	>45	0	0	---
Copper	ppm	ASTM D5185m	>225	3	12	---
Tin	ppm	ASTM D5185m	>10	0	<1	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

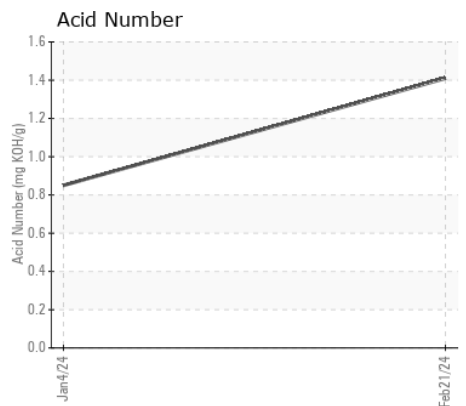
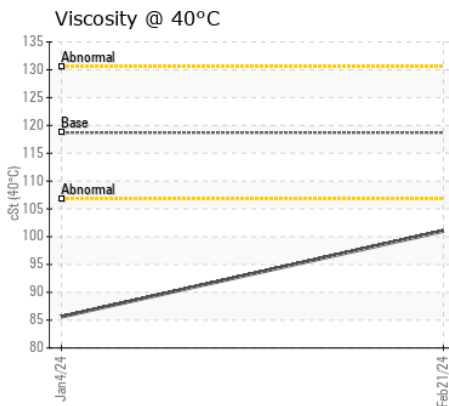
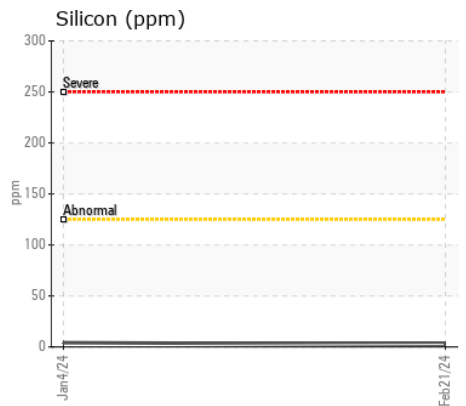
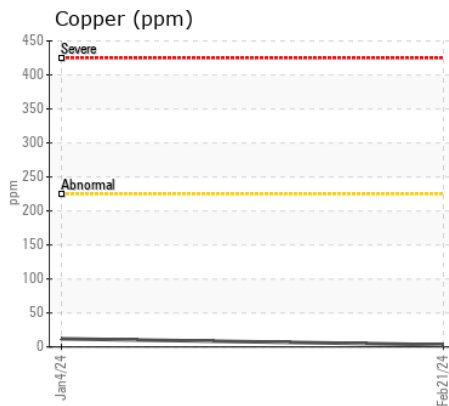
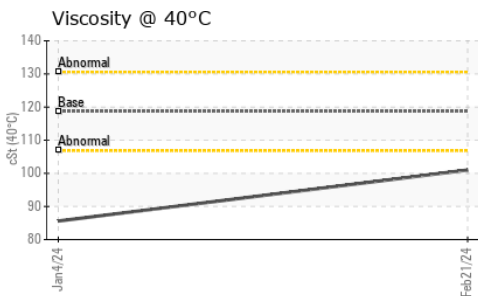
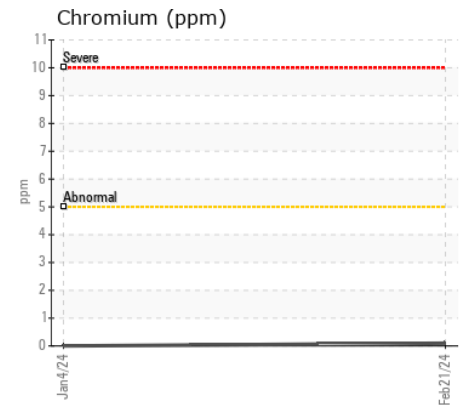
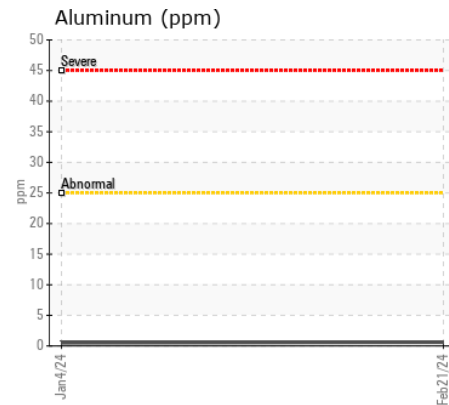
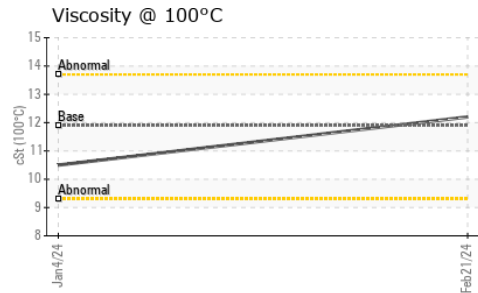
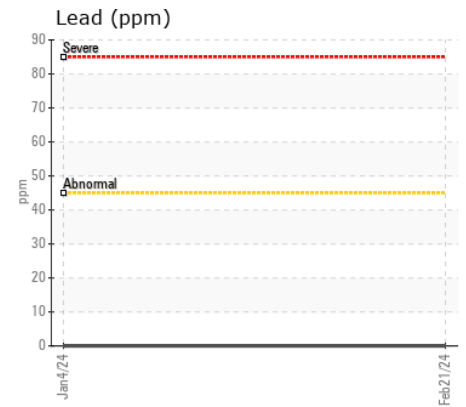
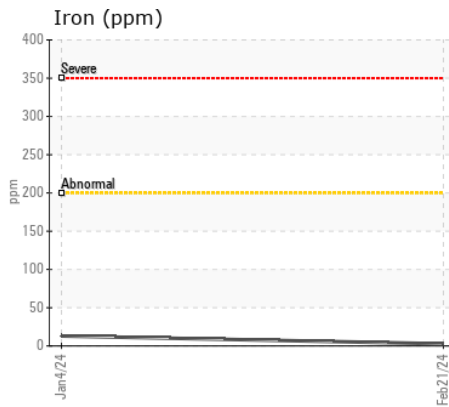
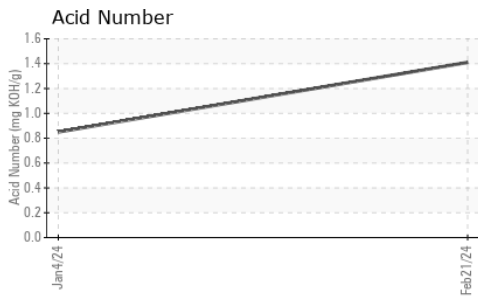
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	3	4	---
Potassium	ppm	ASTM D5185m	>20	0	0	---
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 AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

Sodium	ppm	ASTM D5185m		0	1	---
Boron	ppm	ASTM D5185m		0	6	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		0	2	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		19	34	---
Calcium	ppm	ASTM D5185m	3100	2861	3326	---
Phosphorus	ppm	ASTM D5185m	1100	884	891	---
Zinc	ppm	ASTM D5185m	1200	1149	1083	---
Sulfur	ppm	ASTM D5185m		5050	3506	---
Acid Number (AN)	mg KOH/g	ASTM D8045		1.41	0.85	---
Visc @ 40°C	cSt	ASTM D445	118.7	101	85.6	---
Visc @ 100°C	cSt	ASTM D445	11.9	12.2	10.5	---
Viscosity Index (VI)	Scale	ASTM D2270	96.6	112	105	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TR06101110 **Received** : 26 Feb 2024
Lab Number : 06101110 **Tested** : 28 Feb 2024
Unique Number : 10899340 **Diagnosed** : 28 Feb 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: KV100, VI)

BARR-TECH COMPOSTING
 9117 KALLENBERGER RD N
 SPRAGUE, WA
 US 99032
 Contact: RON GROGAN

To discuss this sample report, contact Customer Service at 1-800-827-0711.

* - 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)

T: (509)590-0437

F: