



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
T15
 Component
Transmission (Manual)
 Fluid
TRC TEXTRANS MULTI-VEHICLE SYN ATF (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR0001657	TR0001270	---
Sample Date		Client Info		15 Jul 2024	24 Oct 2023	---
Machine Age	hrs	Client Info		2629	1417	---
Oil Age	hrs	Client Info		2629	1417	---
Filter Age	hrs	Client Info		2629	1417	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Changed	Not Changd	---
Sample Status				ATTENTION	ATTENTION	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	151	99	---
Chromium	ppm	ASTM D5185m	>5	2	1	---
Nickel	ppm	ASTM D5185m	>5	0	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m	>7	0	0	---
Aluminum	ppm	ASTM D5185m	>25	2	2	---
Lead	ppm	ASTM D5185m	>45	0	<1	---
Copper	ppm	ASTM D5185m	>225	75	61	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

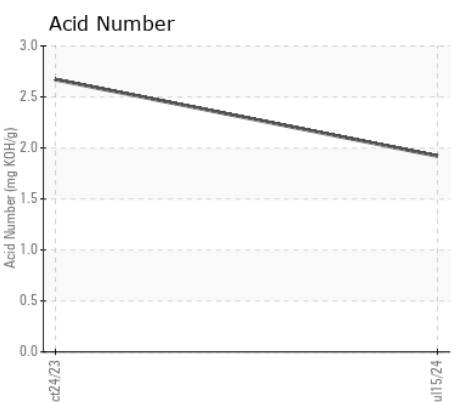
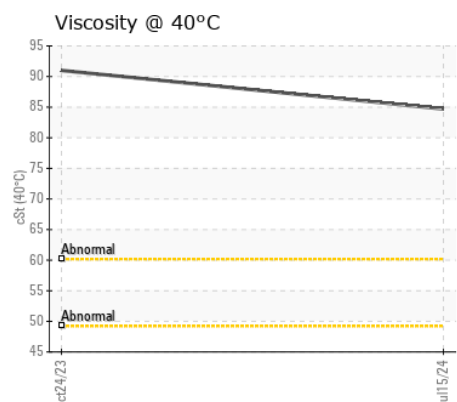
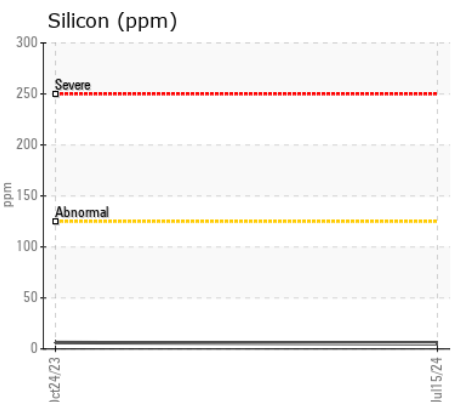
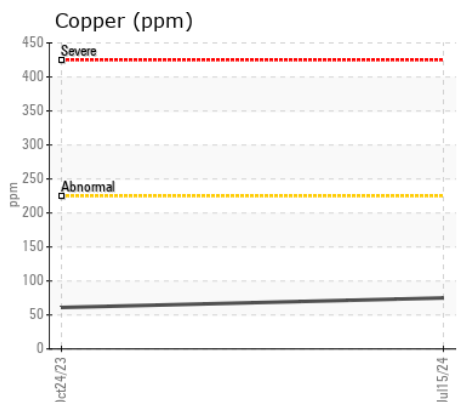
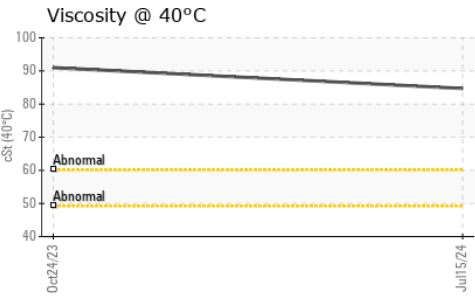
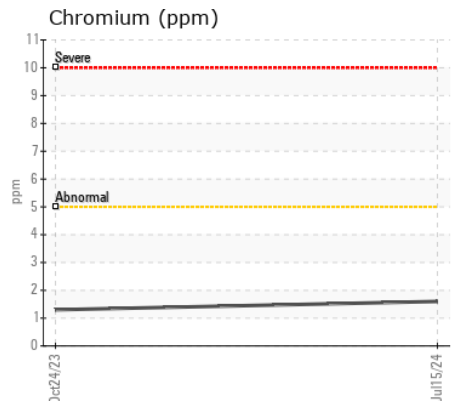
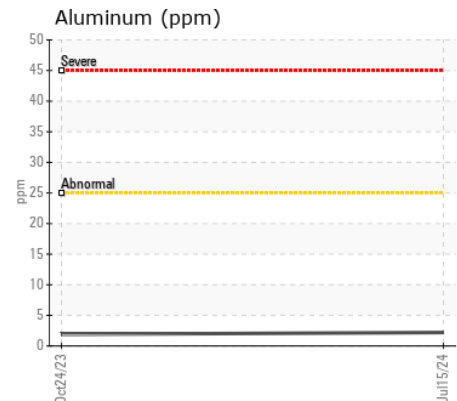
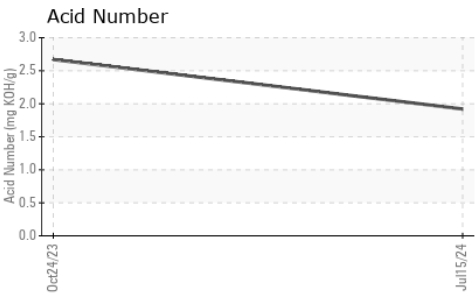
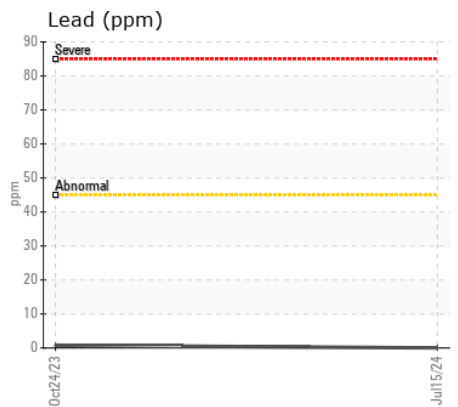
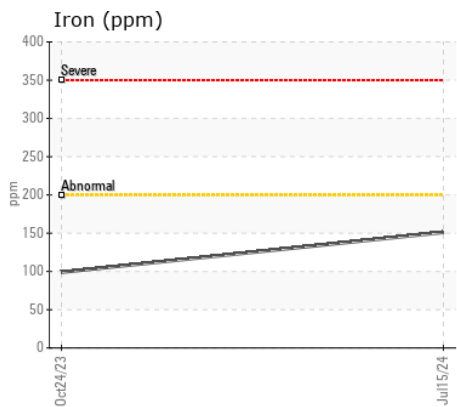
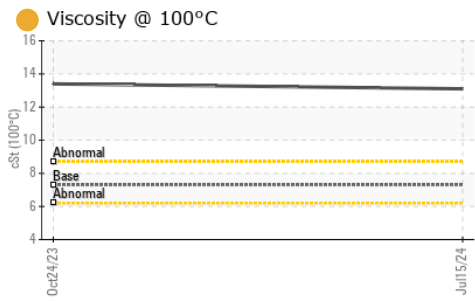
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	5	6	---
Potassium	ppm	ASTM D5185m	>20	3	4	---
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 fluid viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.

Sodium	ppm	ASTM D5185m		9	10	---
Boron	ppm	ASTM D5185m		204	240	---
Barium	ppm	ASTM D5185m		4	3	---
Molybdenum	ppm	ASTM D5185m		1	<1	---
Manganese	ppm	ASTM D5185m		12	10	---
Magnesium	ppm	ASTM D5185m		5	3	---
Calcium	ppm	ASTM D5185m		425	375	---
Phosphorus	ppm	ASTM D5185m		1072	978	---
Zinc	ppm	ASTM D5185m		169	137	---
Sulfur	ppm	ASTM D5185m		929	813	---
Acid Number (AN)	mg KOH/g	ASTM D8045		1.92	2.67	---
Visc @ 40°C	cSt	ASTM D445		84.7	91.0	---
Visc @ 100°C	cSt	ASTM D445	7.3	13.1	13.4	---
Viscosity Index (VI)	Scale	ASTM D2270	193	155	148	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TR0001657 **Received** : 17 Jul 2024
Lab Number : 06239632 **Tested** : 18 Jul 2024
Unique Number : 11128466 **Diagnosed** : 19 Jul 2024 - Don Baldrige
Test Package : MOB 2 (Additional Tests: KV100, VI)

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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:
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