



T R A A P

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id

17

Component

Transmission

Fluid

TRC TEXTRANS MULTI-VEHICLE SYN ATF (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR0001315	TR0000535	TR0000308
Sample Date		Client Info		09 Jan 2024	17 Mar 2022	23 Nov 2021
Machine Age	hrs	Client Info		10723	8838	8168
Oil Age	hrs	Client Info		10723	2	0
Filter Age	hrs	Client Info		10723	0	0
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	N/A	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	41	25	12
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m		0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>50	2	0	<1
Lead	ppm	ASTM D5185m	>50	<1	0	<1
Copper	ppm	ASTM D5185m	>200	36	4	2
Tin	ppm	ASTM D5185m	>10	1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

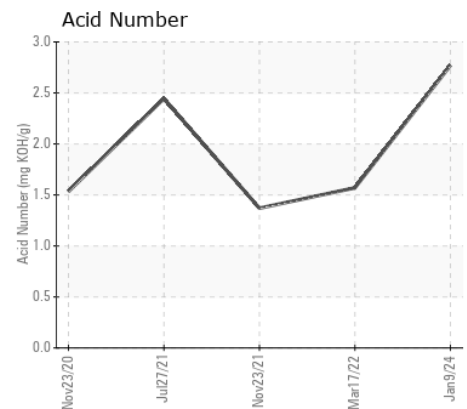
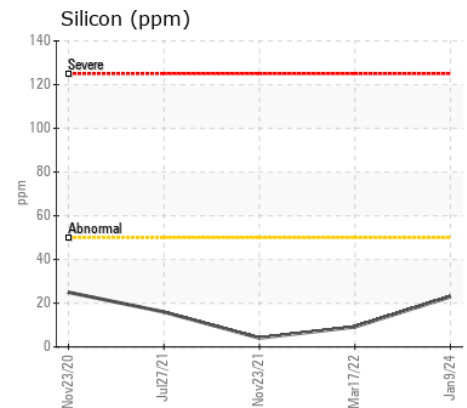
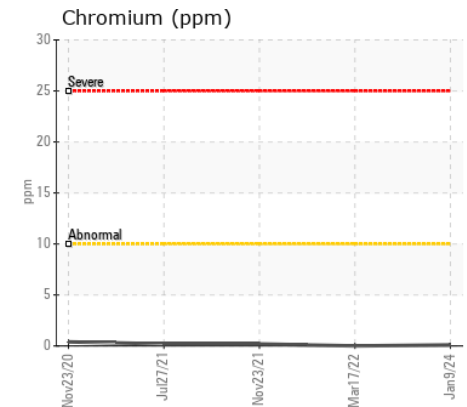
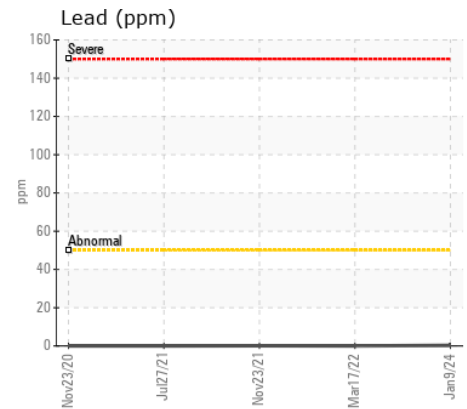
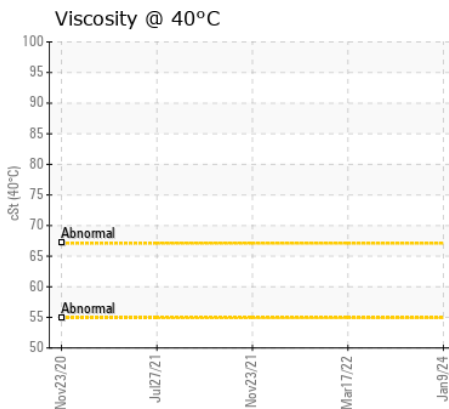
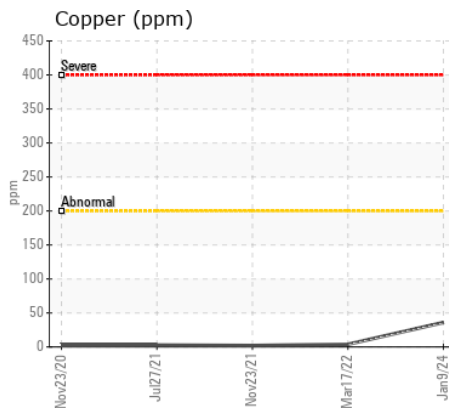
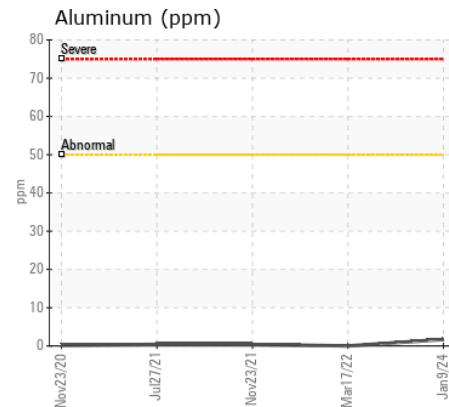
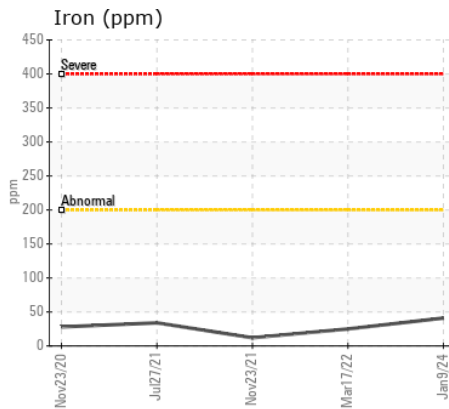
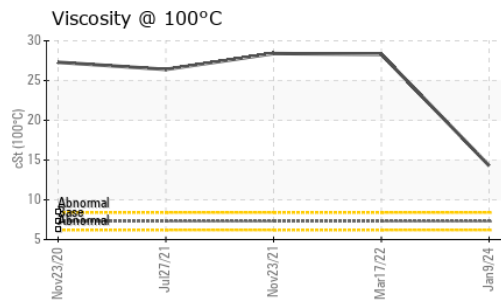
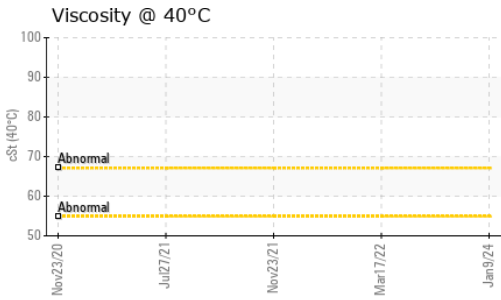
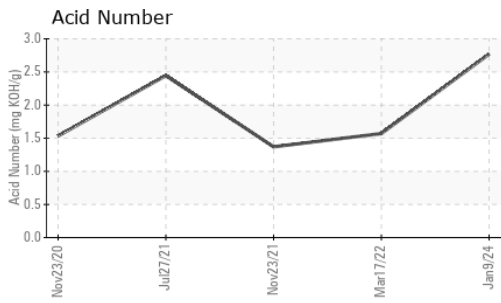
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>50	23	9	4
Potassium	ppm	ASTM D5185m	>20	3	1	0
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		22	0	0
Boron	ppm	ASTM D5185m		227	247	137
Barium	ppm	ASTM D5185m		8	2	0
Molybdenum	ppm	ASTM D5185m		1	<1	1
Manganese	ppm	ASTM D5185m		3	2	<1
Magnesium	ppm	ASTM D5185m		42	0	<1
Calcium	ppm	ASTM D5185m		375	41	38
Phosphorus	ppm	ASTM D5185m		1268	912	507
Zinc	ppm	ASTM D5185m		189	17	0
Sulfur	ppm	ASTM D5185m		1350	13066	8346
Acid Number (AN)	mg KOH/g	ASTM D8045		2.77	1.57	1.370
Visc @ 40°C	cSt	ASTM D445		96.8	---	---
Visc @ 100°C	cSt	ASTM D445	7.3	14.3	28.3	28.4
Viscosity Index (VI)	Scale	ASTM D2270	193	152	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TR0001315 **Received** : 12 Jan 2024
Lab Number : 06060364 **Diagnosed** : 16 Jan 2024
Unique Number : 10831746 **Diagnostician** : Don Baldrige
Test Package : MOB 2 (Additional Tests: KV100, VI)

S S CONCRETE MATERIALS LLC
P.O. BOX 23283
BULLHEAD CITY, AZ
US 86439
Contact: MARK OPHEIM

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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