



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id

73

Component

3 Transmission (Auto)

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		TR0001301	TR0001220	TR0000849
Sample Date		Client Info		09 Jan 2024	03 Oct 2023	16 May 2023
Machine Age	hrs	Client Info		19809	19660	19124
Oil Age	hrs	Client Info		19809	19660	0
Filter Age	hrs	Client Info		19809	19660	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>230	41	38	42
Chromium	ppm	ASTM D5185m	>2	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>65	14	15	14
Lead	ppm	ASTM D5185m	>55	34	33	4
Copper	ppm	ASTM D5185m	>85	18	17	11
Tin	ppm	ASTM D5185m	>5	3	3	2
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

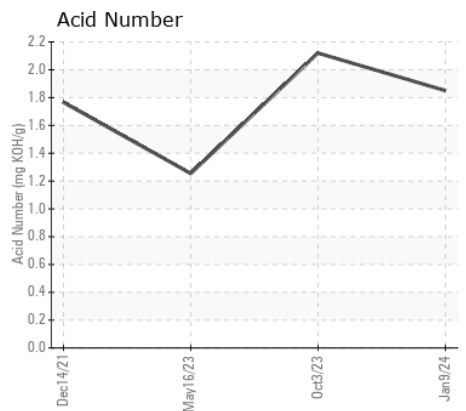
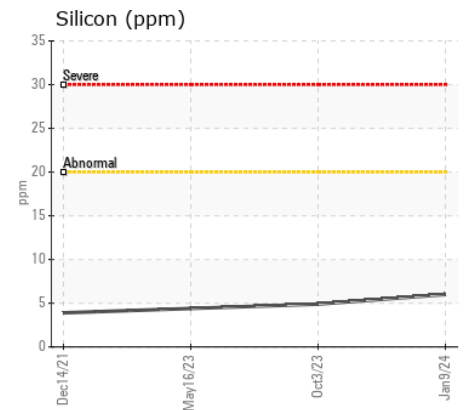
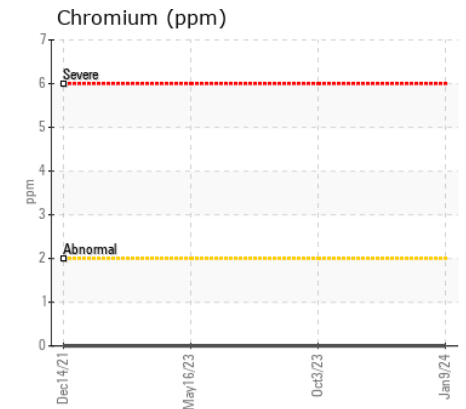
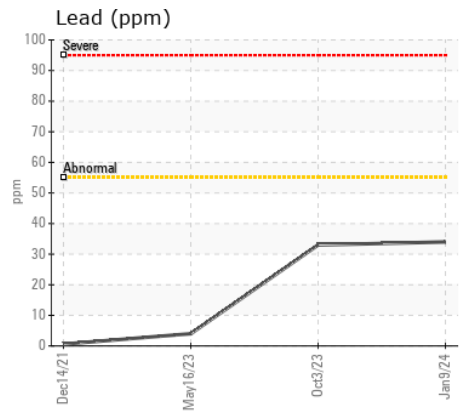
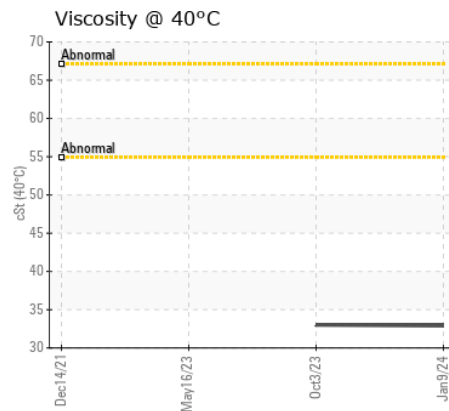
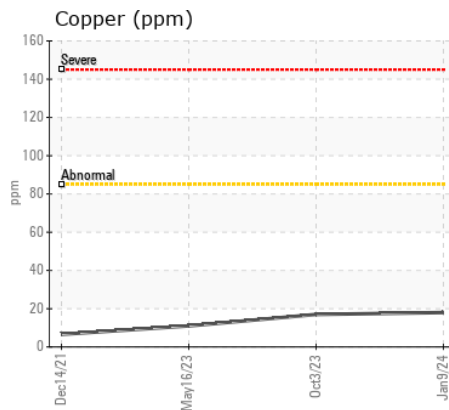
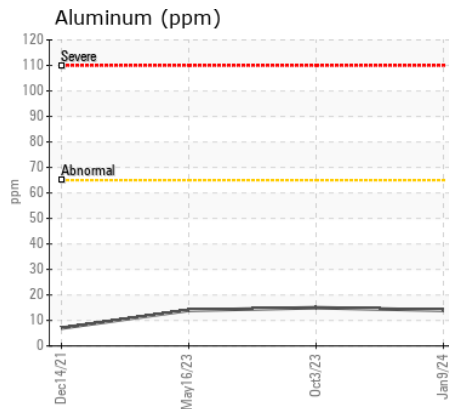
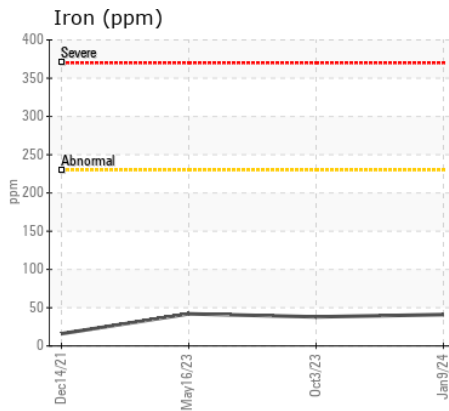
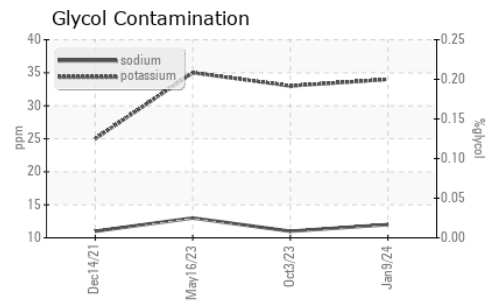
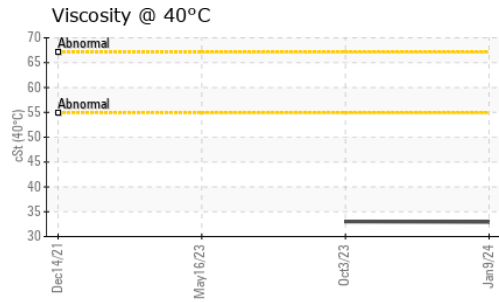
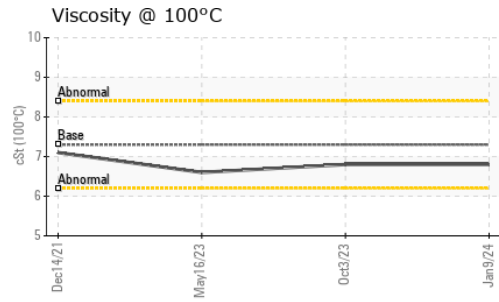
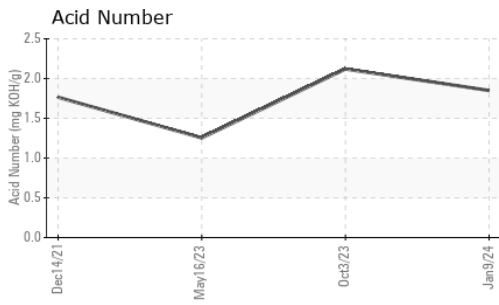
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	6	5	4
Potassium	ppm	ASTM D5185m	>20	34	33	35
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	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

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

Sodium	ppm	ASTM D5185m		12	11	13
Boron	ppm	ASTM D5185m		222	223	201
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		<1	3	5
Calcium	ppm	ASTM D5185m		212	211	212
Phosphorus	ppm	ASTM D5185m		565	519	521
Zinc	ppm	ASTM D5185m		23	29	16
Sulfur	ppm	ASTM D5185m		2119	2163	2473
Acid Number (AN)	mg KOH/g	ASTM D8045		1.85	2.12	1.254
Visc @ 40°C	cSt	ASTM D445		32.9	33.0	---
Visc @ 100°C	cSt	ASTM D445	7.3	6.8	6.8	6.6
Viscosity Index (VI)	Scale	ASTM D2270	193	171	170	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TR0001301 **Received** : 12 Jan 2024
Lab Number : 06060361 **Diagnosed** : 16 Jan 2024
Unique Number : 10831743 **Diagnostician** : Don Baldrige
Test Package : MOB 2 (Additional Tests: Glycol, KV100, VI)

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Certificate L2367
 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)