



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
THOMAS BCSD 10E
 Component
Transmission
 Fluid
TRC DEXRON III/MERCON TRANS (18 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR06155246	TR05621387	TR05388973
Sample Date		Client Info		27 Mar 2024	19 May 2022	15 Oct 2021
Machine Age	mls	Client Info		203627	193460	181744
Oil Age	mls	Client Info		32999	22832	11116
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>250	186	164	126
Chromium	ppm	ASTM D5185m	>2	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	<1	0	<1
Titanium	ppm	ASTM D5185m	>2	<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>55	12	14	12
Lead	ppm	ASTM D5185m	>65	11	11	11
Copper	ppm	ASTM D5185m	>230	170	122	105
Tin	ppm	ASTM D5185m	>6	2	2	1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

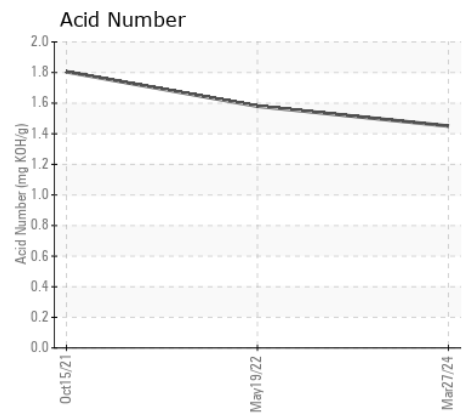
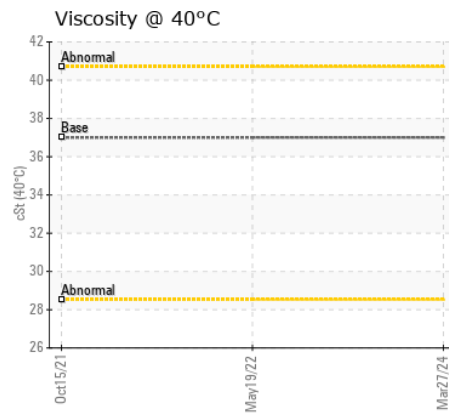
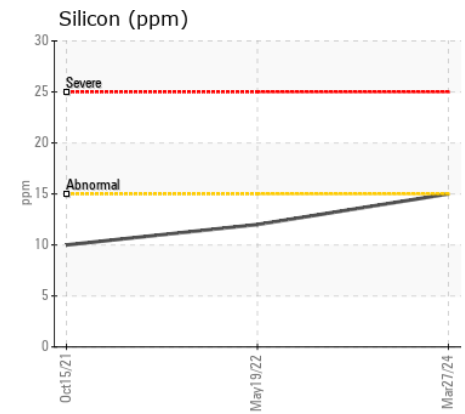
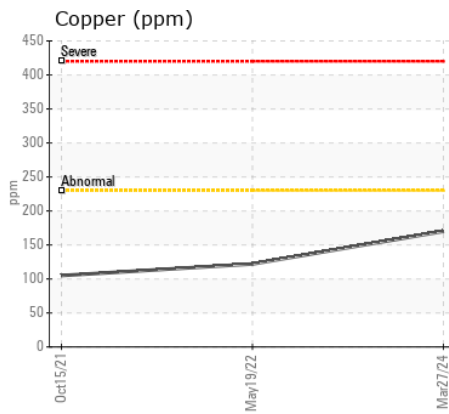
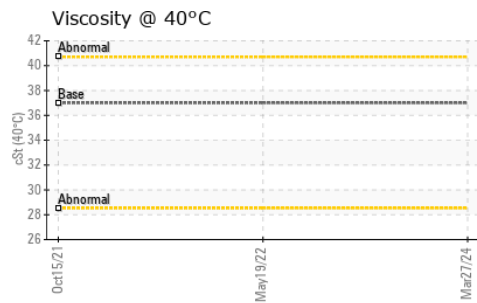
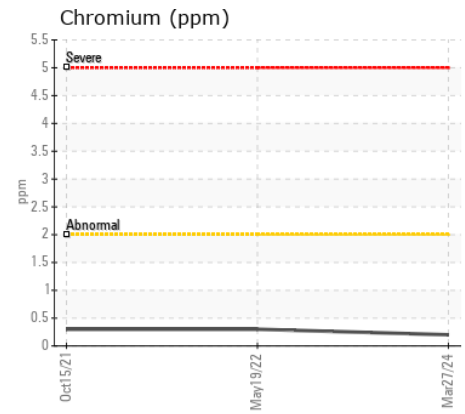
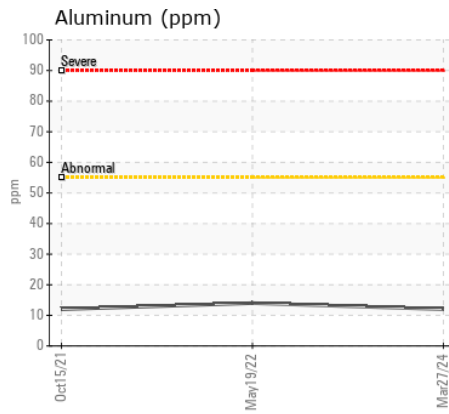
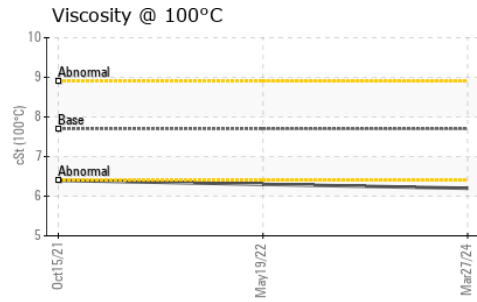
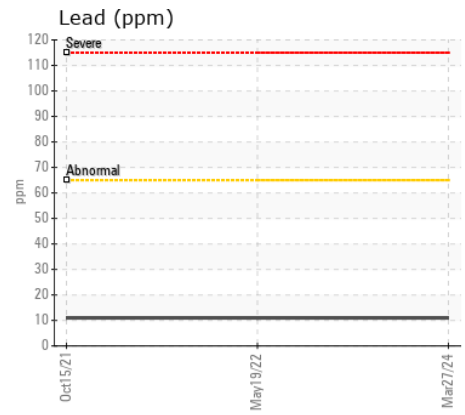
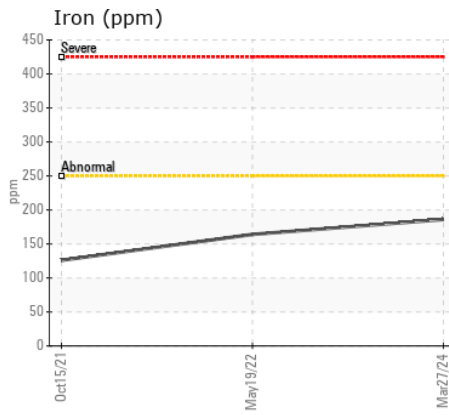
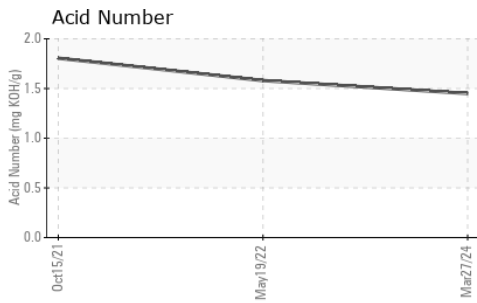
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>15	15	12	10
Potassium	ppm	ASTM D5185m	>20	3	<1	1
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 fluid is suitable for further service.

Sodium	ppm	ASTM D5185m		8	10	10
Boron	ppm	ASTM D5185m		234	230	209
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		2	2	2
Magnesium	ppm	ASTM D5185m		2	1	0
Calcium	ppm	ASTM D5185m		183	178	138
Phosphorus	ppm	ASTM D5185m		546	541	442
Zinc	ppm	ASTM D5185m		29	31	25
Sulfur	ppm	ASTM D5185m		1947	1926	1434
Acid Number (AN)	mg KOH/g	ASTM D8045		1.45	1.58	1.805
Visc @ 40°C	cSt	ASTM D445	37	29.5	---	---
Visc @ 100°C	cSt	ASTM D445	7.7	6.2	6.3	6.4
Viscosity Index (VI)	Scale	ASTM D2270	184	166	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : TR06155246

Lab Number : 06155246

Unique Number : 10990669

Test Package : MOB 2 (Additional Tests: KV100, VI)

Received : 19 Apr 2024

Tested : 22 Apr 2024

Diagnosed : 24 Apr 2024 - Don Baldrige

COLORADO RIVER UNION HS

2251 HWY 95

BULLHEAD CITY, AZ

US 86442

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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)