



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
INTERNATIONAL BUS 7E
 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		TR06155242	TR05848209	TR05526257
Sample Date		Client Info		18 Mar 2024	08 May 2023	03 Mar 2022
Machine Age	mls	Client Info		176812	162466	140893
Oil Age	mls	Client Info		57983	43637	22064
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	70	54	44
Chromium	ppm	ASTM D5185m	>2	<1	0	<1
Nickel	ppm	ASTM D5185m	>2	<1	0	1
Titanium	ppm	ASTM D5185m	>2	<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>55	38	36	27
Lead	ppm	ASTM D5185m	>65	15	13	12
Copper	ppm	ASTM D5185m	>230	25	18	14
Tin	ppm	ASTM D5185m	>6	9	7	6
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

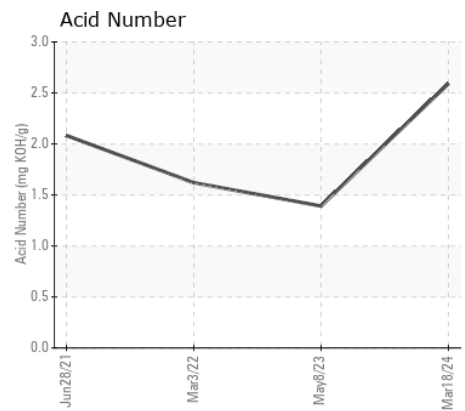
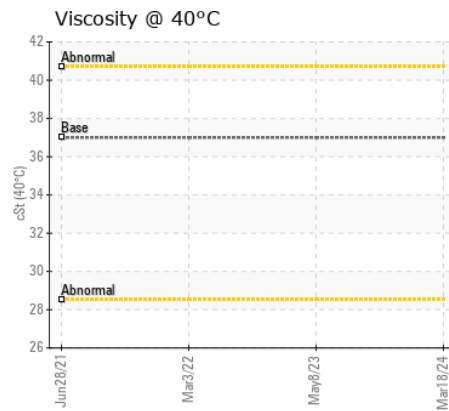
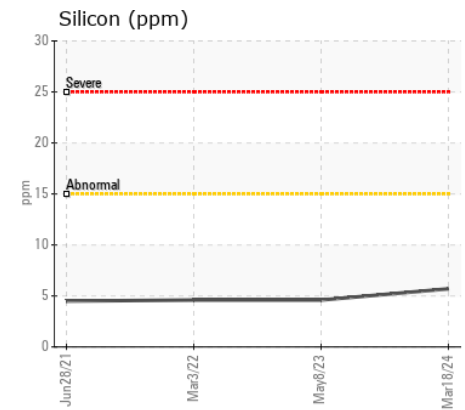
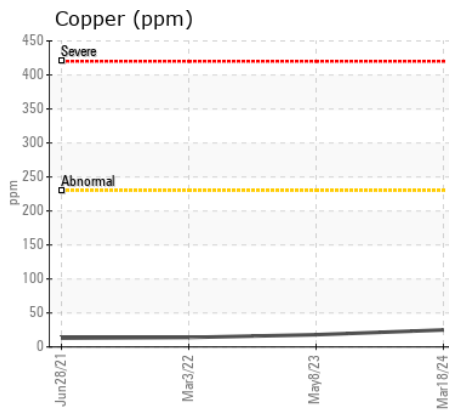
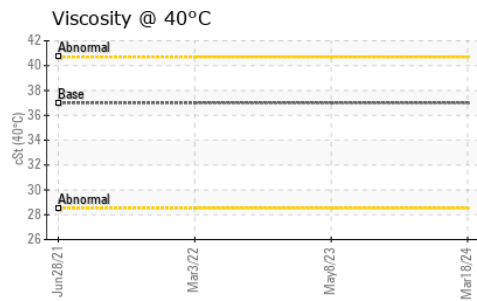
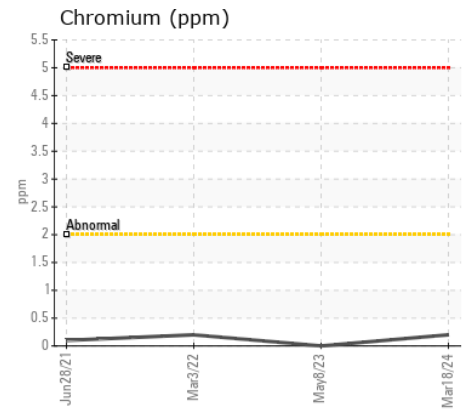
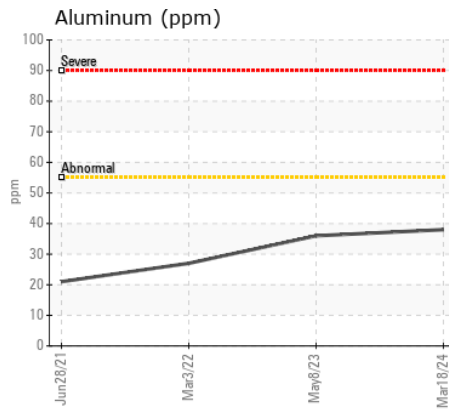
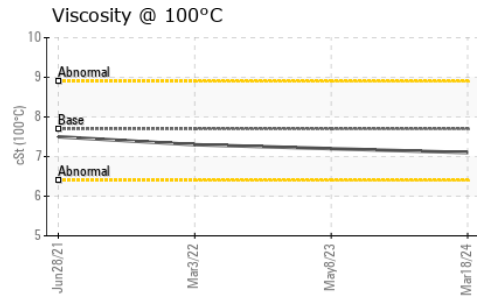
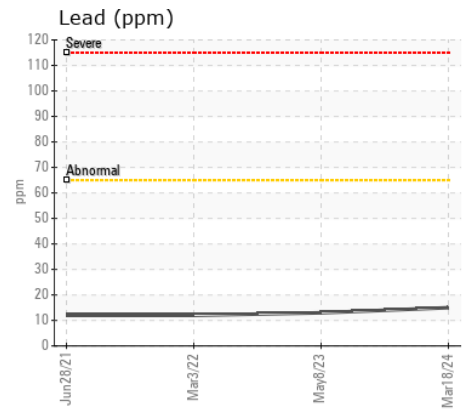
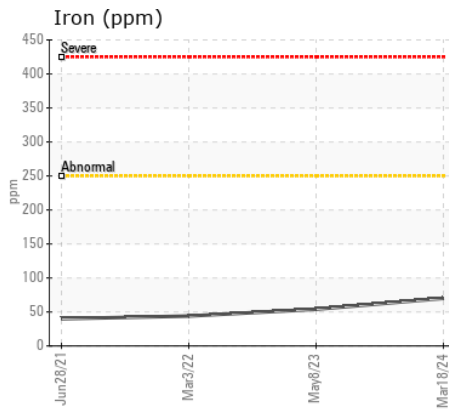
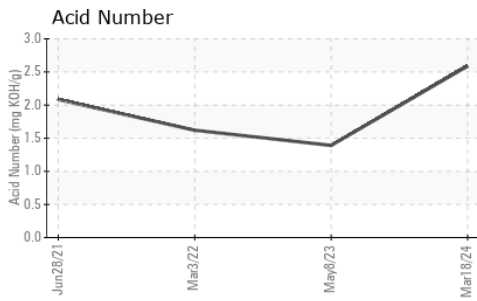
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>15	6	5	5
Potassium	ppm	ASTM D5185m	>20	3	2	<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 oil is suitable for further service.

Sodium	ppm	ASTM D5185m		8	9	9
Boron	ppm	ASTM D5185m		245	205	248
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		1	1	0
Calcium	ppm	ASTM D5185m		185	188	190
Phosphorus	ppm	ASTM D5185m		511	502	502
Zinc	ppm	ASTM D5185m		8	11	5
Sulfur	ppm	ASTM D5185m		1511	1681	1371
Acid Number (AN)	mg KOH/g	ASTM D8045		2.59	1.391	1.62
Visc @ 40°C	cSt	ASTM D445	37	36.3	---	---
Visc @ 100°C	cSt	ASTM D445	7.7	7.1	7.2	7.3
Viscosity Index (VI)	Scale	ASTM D2270	184	162	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TR06155242 **Received** : 19 Apr 2024
Lab Number : 06155242 **Tested** : 24 Apr 2024
Unique Number : 10990665 **Diagnosed** : 24 Apr 2024 - Don Baldrige
Test Package : MOB 2 (Additional Tests: KV100, VI)

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 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)