



TRAAP

Texas Refinery Advanced Analysis Program

# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**BLUE BIRD NEW BUS 8**  
 Component  
**Front Transmission (Auto)**  
 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		TR06100270	TR06100275	TR05692101
Sample Date		Client Info		07 Feb 2024	04 Jan 2024	16 Sep 2022
Machine Age	mls	Client Info		105542	99986	80335
Oil Age	mls	Client Info		79222	73666	54015
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	>160	90	88	62
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	<1	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	12	12	9
Lead	ppm	ASTM D5185m	>50	16	16	13
Copper	ppm	ASTM D5185m	>225	16	16	8
Tin	ppm	ASTM D5185m	>10	2	2	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

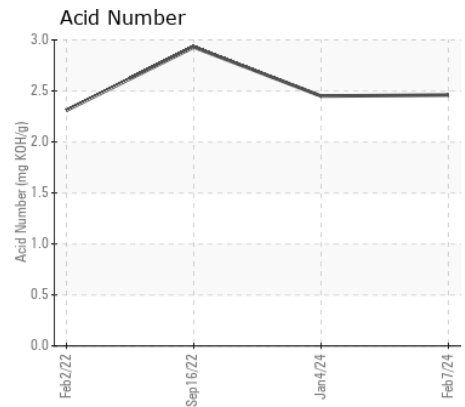
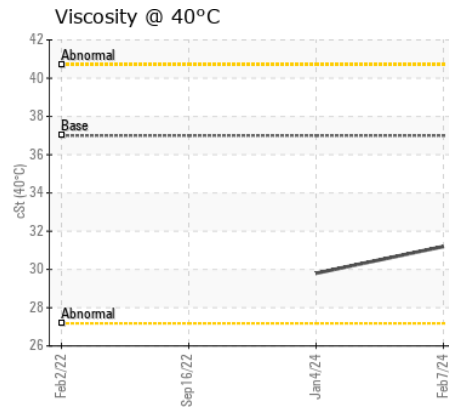
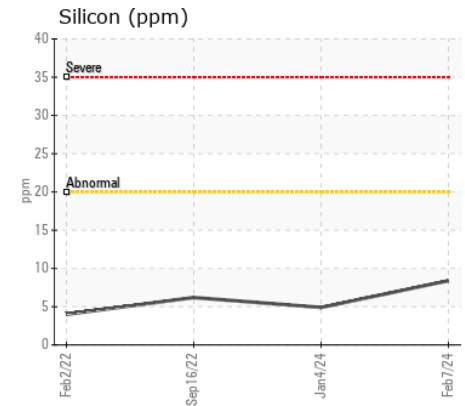
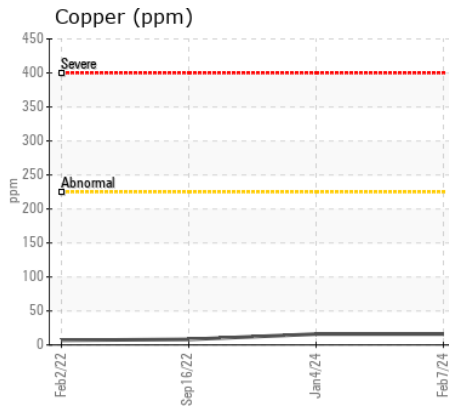
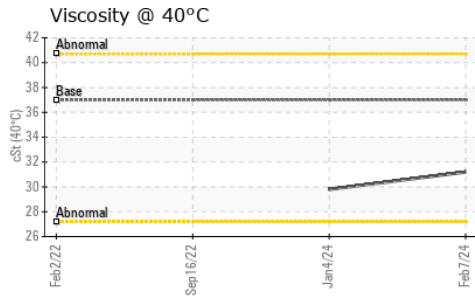
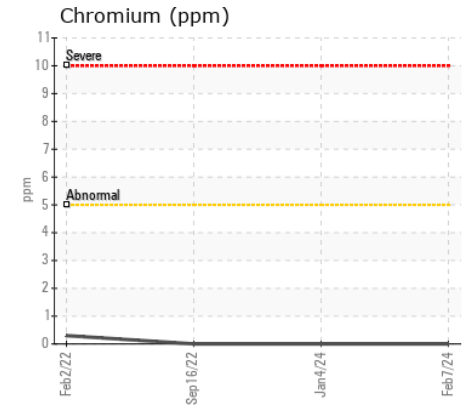
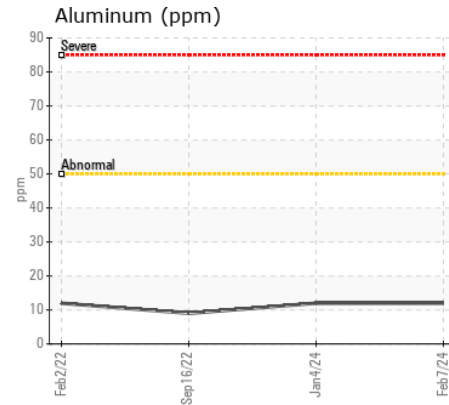
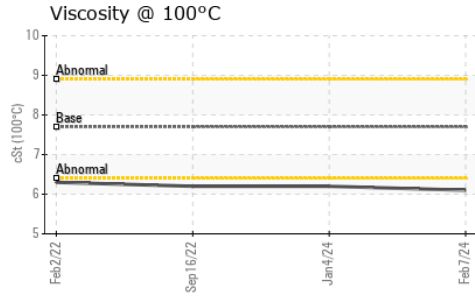
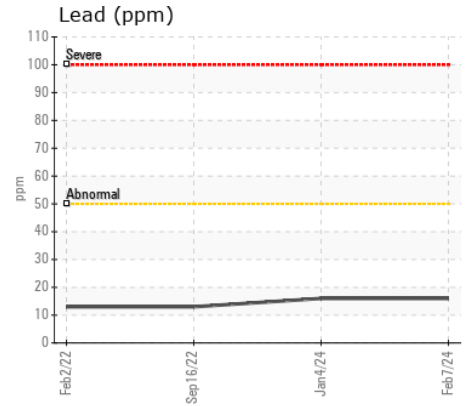
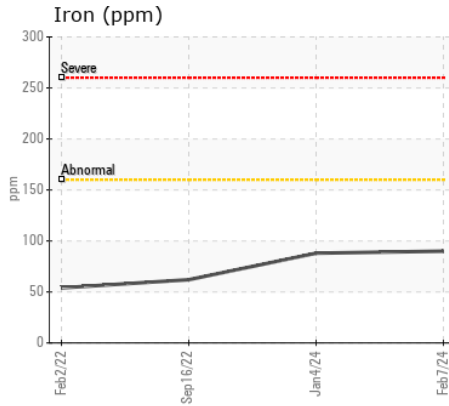
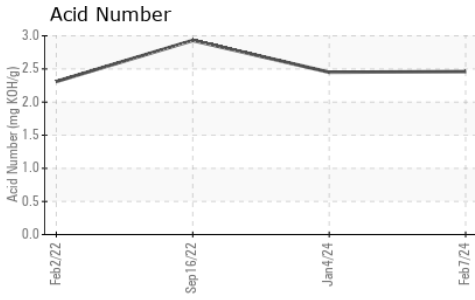
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	8	5	6
Potassium	ppm	ASTM D5185m	>20	3	3	0
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	VLITE
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		7	7	4
Boron	ppm	ASTM D5185m		214	219	269
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		2	2	1
Magnesium	ppm	ASTM D5185m		1	<1	0
Calcium	ppm	ASTM D5185m		32	33	32
Phosphorus	ppm	ASTM D5185m		531	530	563
Zinc	ppm	ASTM D5185m		10	10	11
Sulfur	ppm	ASTM D5185m		1573	1565	2023
Acid Number (AN)	mg KOH/g	ASTM D8045		2.46	2.45	2.93
Visc @ 40°C	cSt	ASTM D445	37	31.2	29.8	---
Visc @ 100°C	cSt	ASTM D445	7.7	6.1	6.2	6.2
Viscosity Index (VI)	Scale	ASTM D2270	184	147	163	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TR06100270 **Received** : 26 Feb 2024  
**Lab Number** : 06100270 **Tested** : 27 Feb 2024  
**Unique Number** : 10898500 **Diagnosed** : 27 Feb 2024 - Wes Davis  
**Test Package** : MOB 2 ( Additional Tests: KV100, VI)

**COLORADO RIVER UNION HS**  
 2251 HWY 95  
 BULLHEAD CITY, AZ  
 US 86442

Contact: DENNIS SERCU  
 DSERCU@CRSK12.ORG  
 T: (928)788-1307  
 F: (928)763-9881

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)