



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		TR06100275	TR05692101	TR05479344
Sample Date		Client Info		04 Jan 2024	16 Sep 2022	02 Feb 2022
Machine Age	mls	Client Info		99986	80335	69656
Oil Age	mls	Client Info		73666	54015	43336
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	88	62	54
Chromium	ppm	ASTM D5185m	>5	0	0	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	3
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	12	9	12
Lead	ppm	ASTM D5185m	>50	16	13	13
Copper	ppm	ASTM D5185m	>225	16	8	7
Tin	ppm	ASTM D5185m	>10	2	1	2
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

**CONTAMINATION**

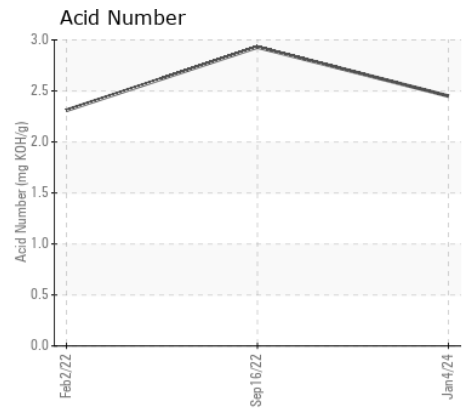
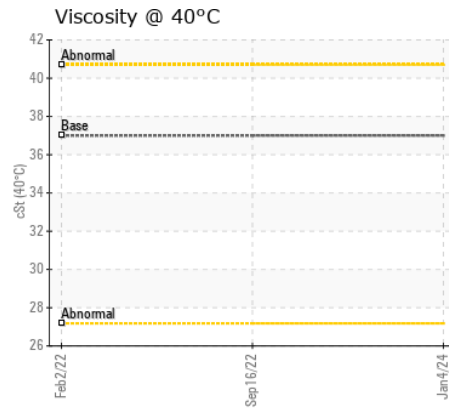
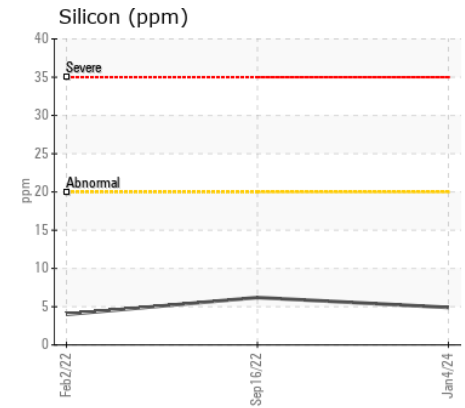
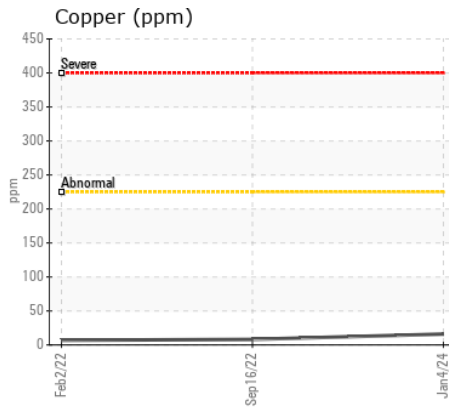
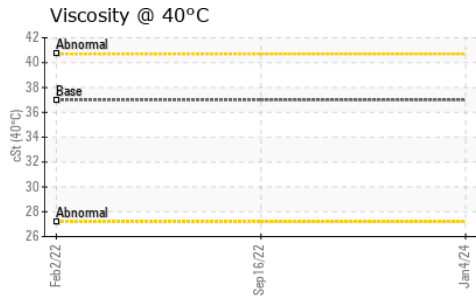
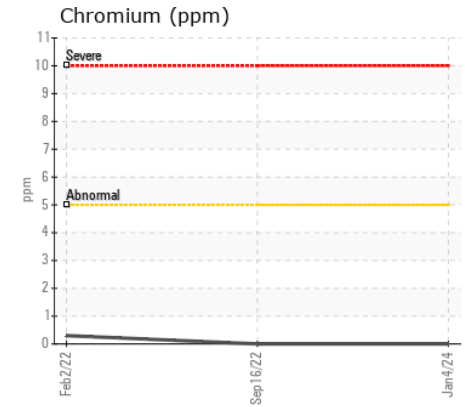
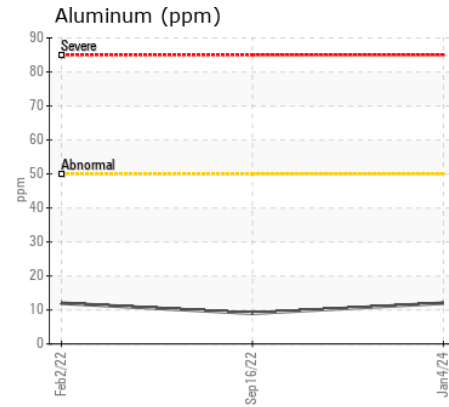
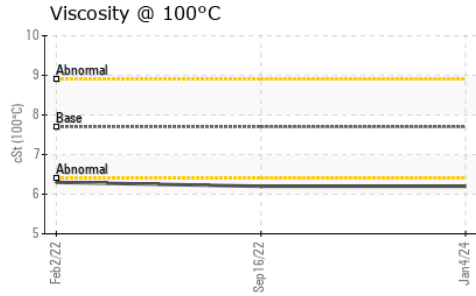
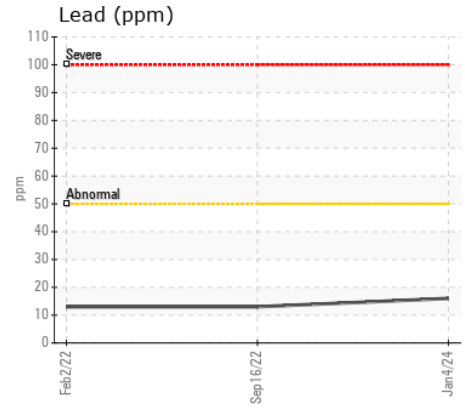
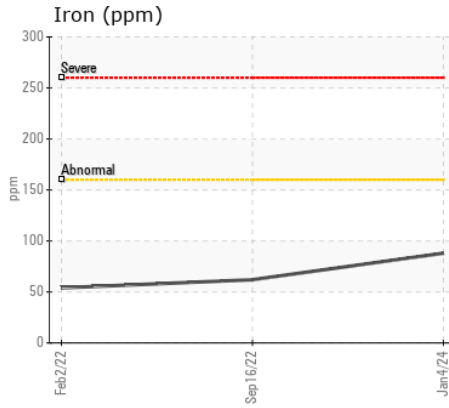
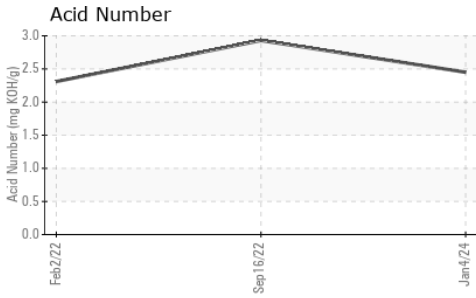
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	5	6	4
Potassium	ppm	ASTM D5185m	>20	3	0	6
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	VLITE	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		7	4	6
Boron	ppm	ASTM D5185m		219	269	248
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		2	1	1
Magnesium	ppm	ASTM D5185m		<1	0	1
Calcium	ppm	ASTM D5185m		33	32	32
Phosphorus	ppm	ASTM D5185m		530	563	565
Zinc	ppm	ASTM D5185m		10	11	9
Sulfur	ppm	ASTM D5185m		1565	2023	1435
Acid Number (AN)	mg KOH/g	ASTM D8045		2.45	2.93	2.31
Visc @ 40°C	cSt	ASTM D445	37	29.8	---	---
Visc @ 100°C	cSt	ASTM D445	7.7	6.2	6.2	6.3
Viscosity Index (VI)	Scale	ASTM D2270	184	163	---	---



Certificate L2367

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

Sample No. : TR06100275

Lab Number : 06100275

Unique Number : 10898505

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

Received : 26 Feb 2024

Tested : 27 Feb 2024

Diagnosed : 27 Feb 2024 - Wes Davis

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)