



TRAAP

Texas Refinery Advanced Analysis Program

# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**19**  
 Component  
**Drum Gearbox**  
 Fluid  
**NOT GIVEN (2 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR0001553	TR0001462	---
Sample Date		Client Info		17 Jun 2024	23 Feb 2024	---
Machine Age	hrs	Client Info		1522	612	---
Oil Age	hrs	Client Info		1522	612	---
Filter Age	hrs	Client Info		0	612	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		N/A	Not Changd	---
Sample Status				NORMAL	NORMAL	---

## WEAR

All component wear rates are normal for time on oil.

Iron	ppm	ASTM D5185m	>200	200	91	---
Chromium	ppm	ASTM D5185m	>10	4	3	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m		0	0	---
Lead	ppm	ASTM D5185m		0	0	---
Copper	ppm	ASTM D5185m		15	8	---
Tin	ppm	ASTM D5185m		0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

## CONTAMINATION

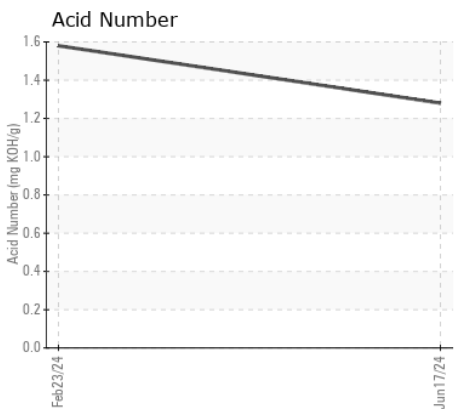
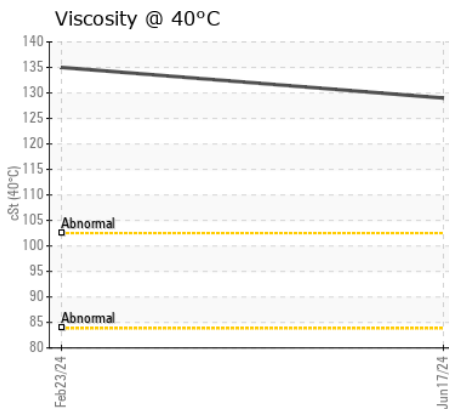
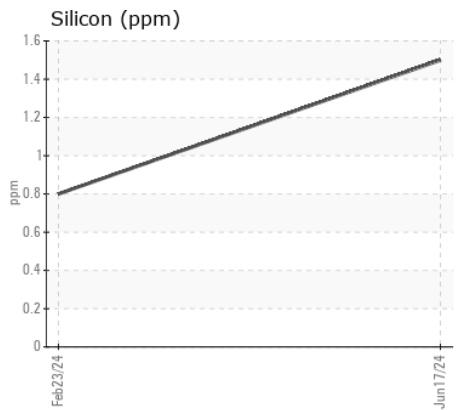
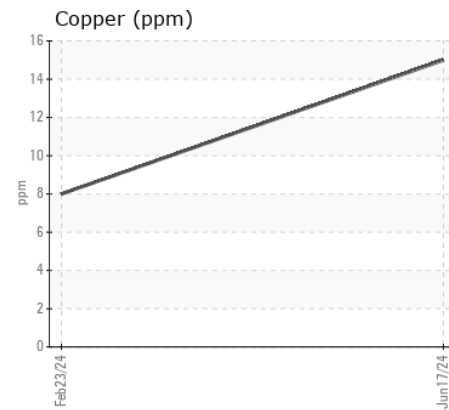
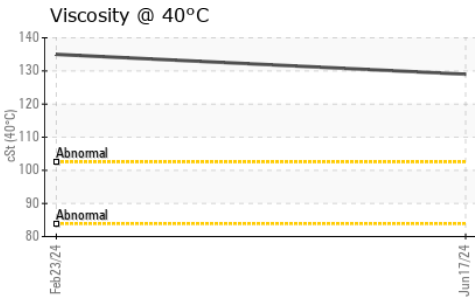
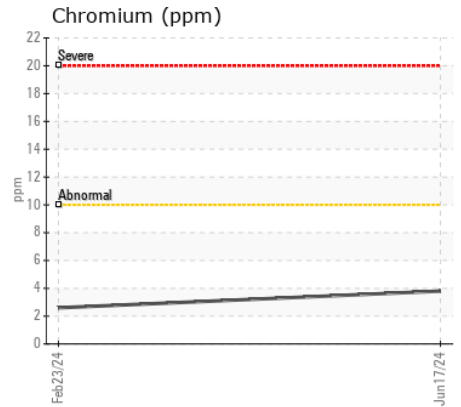
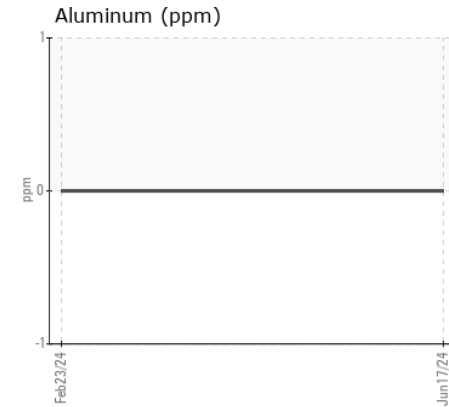
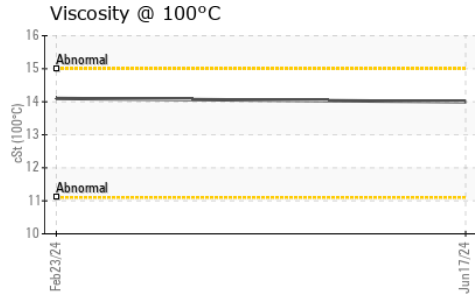
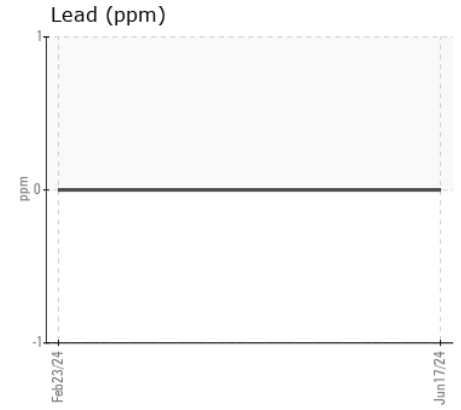
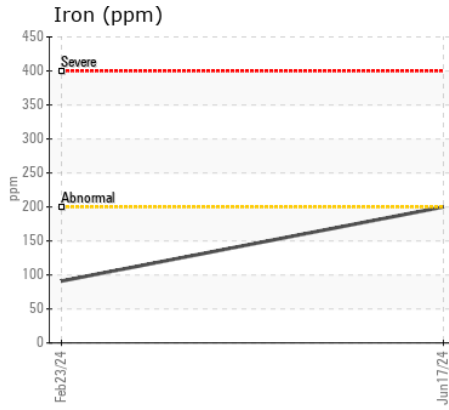
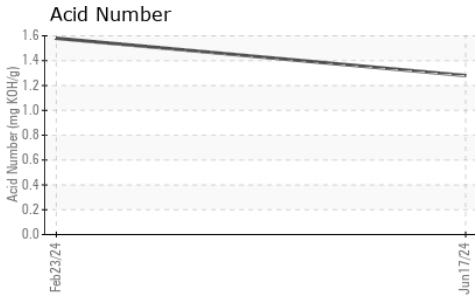
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		2	<1	---
Potassium	ppm	ASTM D5185m	>20	<1	0	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	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		4	0	---
Boron	ppm	ASTM D5185m		163	160	---
Barium	ppm	ASTM D5185m		8	7	---
Molybdenum	ppm	ASTM D5185m		0	0	---
Manganese	ppm	ASTM D5185m		6	3	---
Magnesium	ppm	ASTM D5185m		4	2	---
Calcium	ppm	ASTM D5185m		5	5	---
Phosphorus	ppm	ASTM D5185m		1013	950	---
Zinc	ppm	ASTM D5185m		14	6	---
Sulfur	ppm	ASTM D5185m		20516	17829	---
Acid Number (AN)	mg KOH/g	ASTM D8045		1.28	1.58	---
Visc @ 40°C	cSt	ASTM D445		129	135	---
Visc @ 100°C	cSt	ASTM D445		14.0	14.1	---
Viscosity Index (VI)	Scale	ASTM D2270		106	101	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TR0001553 **Received** : 15 Jul 2024  
**Lab Number** : 06236237 **Tested** : 16 Jul 2024  
**Unique Number** : 11125071 **Diagnosed** : 17 Jul 2024 - Don Baldrige  
**Test Package** : MOB 2 ( Additional Tests: KV100, VI )

**S S CONCRETE MATERIALS LLC**  
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US 86439  
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snsinventory@yahoo.com

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)

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