



TRAAP

Texas Refinery Advanced Analysis Program

# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id

**T15**

Component

**1 Differential**

Fluid

**TRC MOLY ULTRA-TEC GEAR OIL 85W140 (10 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR0001656	TR0001272	---
Sample Date		Client Info		15 Jul 2024	24 Oct 2023	---
Machine Age	hrs	Client Info		2629	1320	---
Oil Age	hrs	Client Info		2629	1320	---
Filter Age	hrs	Client Info		0	1320	---
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.

Iron	ppm	ASTM D5185m	>500	176	127	---
Chromium	ppm	ASTM D5185m	>10	2	1	---
Nickel	ppm	ASTM D5185m	>10	0	<1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	1	<1	---
Lead	ppm	ASTM D5185m	>25	0	<1	---
Copper	ppm	ASTM D5185m	>100	81	79	---
Tin	ppm	ASTM D5185m	>10	0	1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

## CONTAMINATION

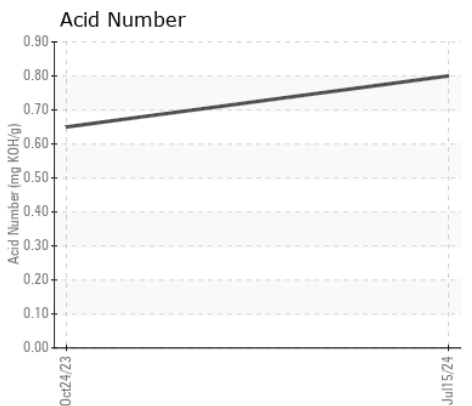
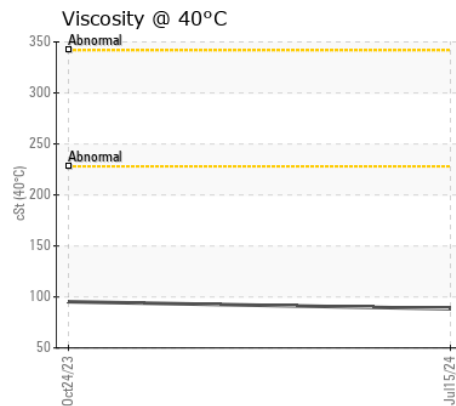
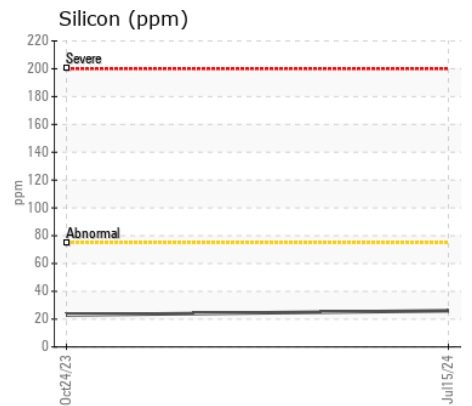
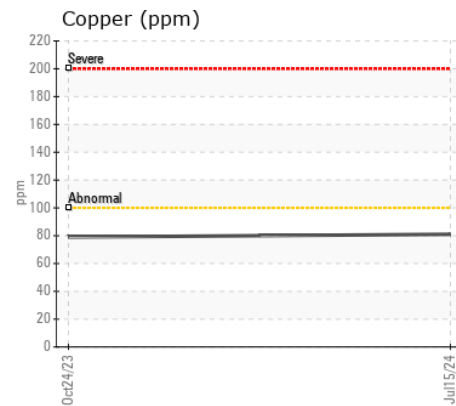
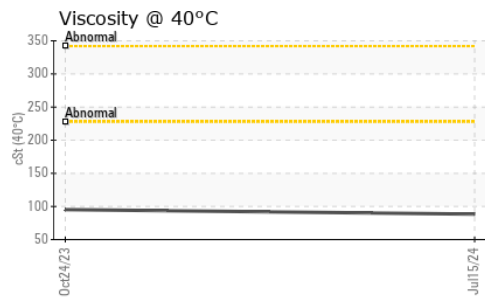
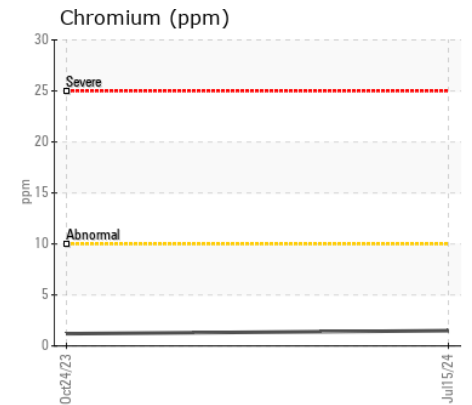
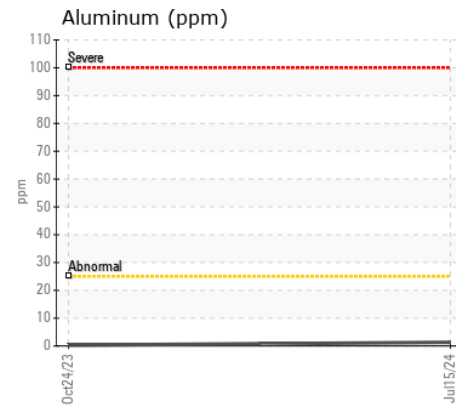
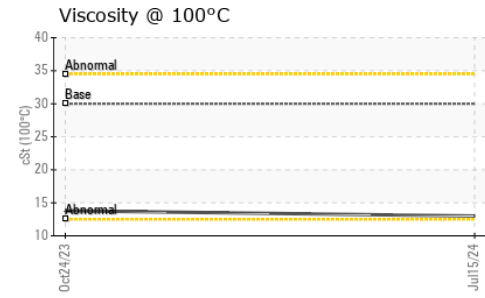
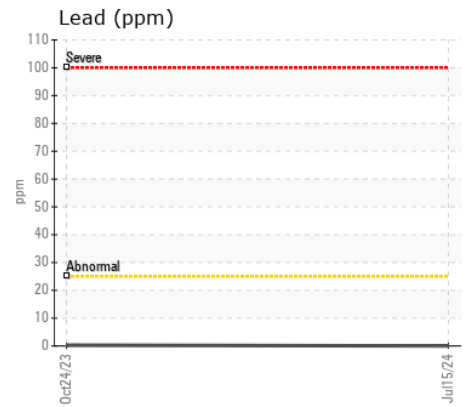
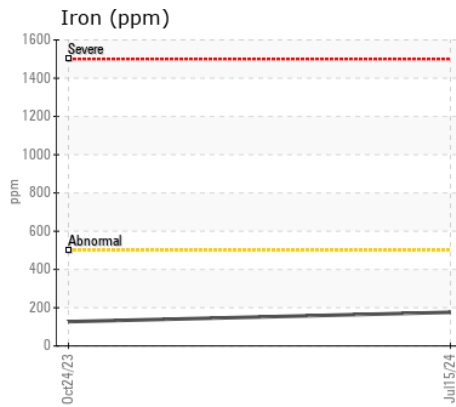
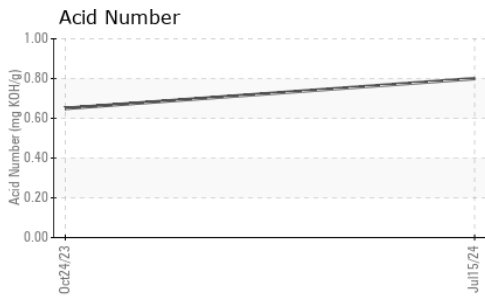
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	26	23	---
Potassium	ppm	ASTM D5185m	>20	4	4	---
Water		WC Method	>.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	>.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		6	7	---
Boron	ppm	ASTM D5185m		54	69	---
Barium	ppm	ASTM D5185m		1	0	---
Molybdenum	ppm	ASTM D5185m		0	0	---
Manganese	ppm	ASTM D5185m		17	14	---
Magnesium	ppm	ASTM D5185m		182	160	---
Calcium	ppm	ASTM D5185m		32	4	---
Phosphorus	ppm	ASTM D5185m		1673	1556	---
Zinc	ppm	ASTM D5185m		34	14	---
Sulfur	ppm	ASTM D5185m		26317	21153	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.80	0.65	---
Visc @ 40°C	cSt	ASTM D445		88.4	95.3	---
Visc @ 100°C	cSt	ASTM D445	30	13.0	13.8	---
Viscosity Index (VI)	Scale	ASTM D2270	105	146	146	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TR0001656 **Received** : 17 Jul 2024  
**Lab Number** : 06239628 **Tested** : 18 Jul 2024  
**Unique Number** : 11128462 **Diagnosed** : 19 Jul 2024 - Don Baldrige  
**Test Package** : MOB 2 ( Additional Tests: KV100, VI )

**S S CONCRETE MATERIALS LLC**  
P.O. BOX 23283  
BULLHEAD CITY, AZ  
US 86439  
Contact: SNS INVENTORY  
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)

T:  
F: (928)754-1991