



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id

89

Component

2 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		TR0001652	TR0001178	---
Sample Date		Client Info		15 Jul 2024	21 Nov 2023	---
Machine Age	hrs	Client Info		2395	703	---
Oil Age	hrs	Client Info		2395	703	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	100	70	---
Chromium	ppm	ASTM D5185m	>10	<1	<1	---
Nickel	ppm	ASTM D5185m	>10	<1	2	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	<1	---
Aluminum	ppm	ASTM D5185m	>25	<1	<1	---
Lead	ppm	ASTM D5185m	>25	0	<1	---
Copper	ppm	ASTM D5185m	>100	19	13	---
Tin	ppm	ASTM D5185m	>10	12	15	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

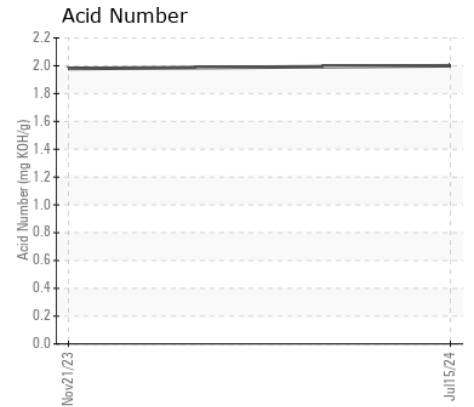
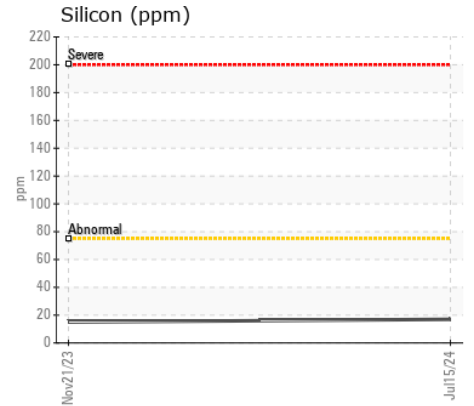
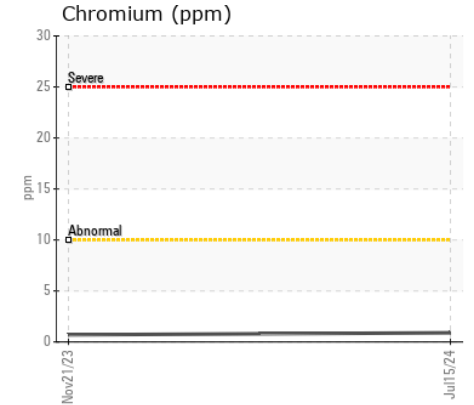
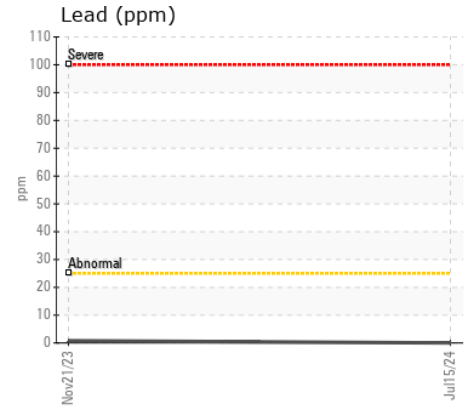
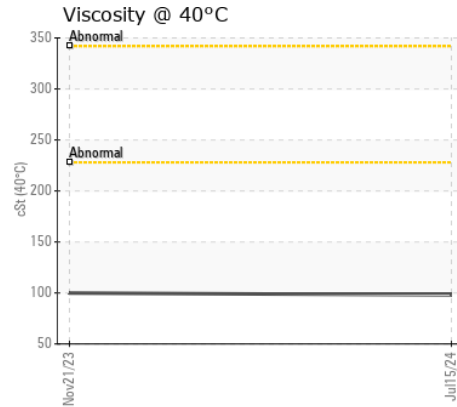
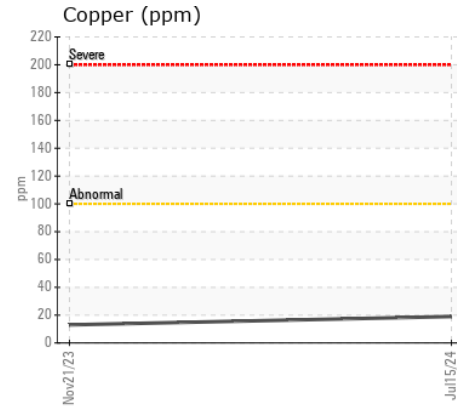
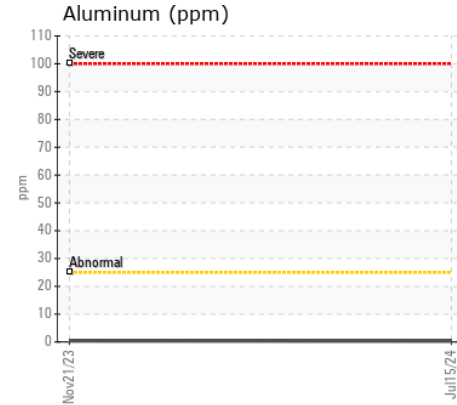
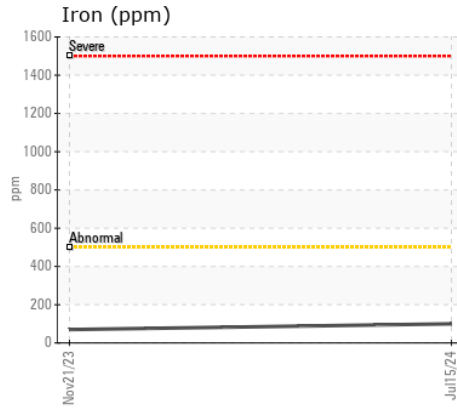
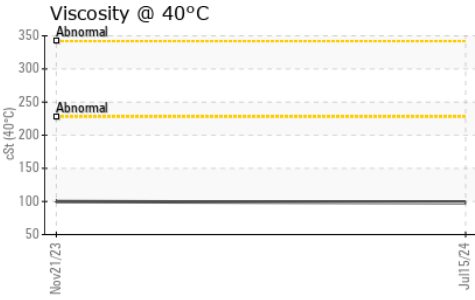
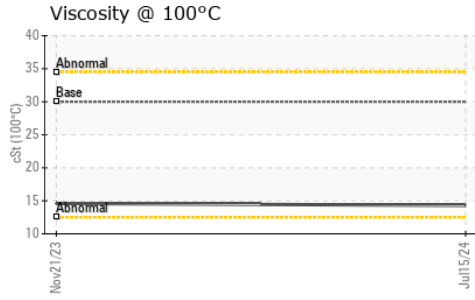
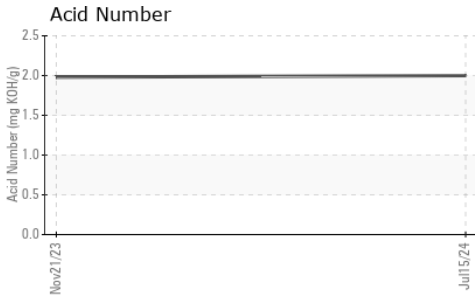
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>75	17	15	---
Potassium	ppm	ASTM D5185m	>20	1	2	---
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 fluid is suitable for further service.

Sodium	ppm	ASTM D5185m		12	11	---
Boron	ppm	ASTM D5185m		242	232	---
Barium	ppm	ASTM D5185m		16	14	---
Molybdenum	ppm	ASTM D5185m		0	0	---
Manganese	ppm	ASTM D5185m		5	5	---
Magnesium	ppm	ASTM D5185m		2	2	---
Calcium	ppm	ASTM D5185m		17	17	---
Phosphorus	ppm	ASTM D5185m		1450	1341	---
Zinc	ppm	ASTM D5185m		18	2	---
Sulfur	ppm	ASTM D5185m		28400	22999	---
Acid Number (AN)	mg KOH/g	ASTM D8045		2.00	1.98	---
Visc @ 40°C	cSt	ASTM D445		98.1	99.9	---
Visc @ 100°C	cSt	ASTM D445	30	14.3	14.6	---
Viscosity Index (VI)	Scale	ASTM D2270	105	149	151	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TR0001652 **Received** : 17 Jul 2024
Lab Number : 06239626 **Tested** : 18 Jul 2024
Unique Number : 11128460 **Diagnosed** : 19 Jul 2024 - Don Baldrige
Test Package : MOB 2 (Additional Tests: KV100, VI)

S S CONCRETE MATERIALS LLC
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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:
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