



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id

107

Component

1 Differential

Fluid

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

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR0001321	TR0001154	---
Sample Date		Client Info		09 Jan 2024	27 Jul 2023	---
Machine Age	hrs	Client Info		3532	2662	---
Oil Age	hrs	Client Info		3532	2662	---
Filter Age	hrs	Client Info		0	2662	---
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	144	119	---
Chromium	ppm	ASTM D5185m	>10	1	1	---
Nickel	ppm	ASTM D5185m	>10	4	3	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	2	1	---
Lead	ppm	ASTM D5185m	>25	1	<1	---
Copper	ppm	ASTM D5185m	>100	21	20	---
Tin	ppm	ASTM D5185m	>10	1	<1	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

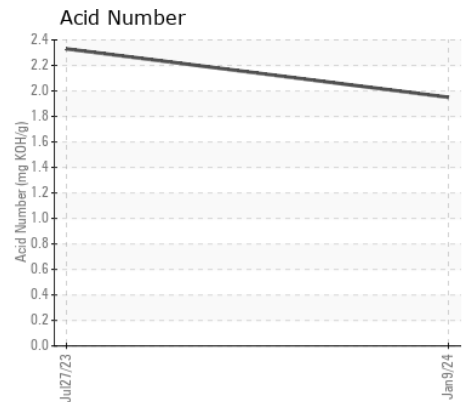
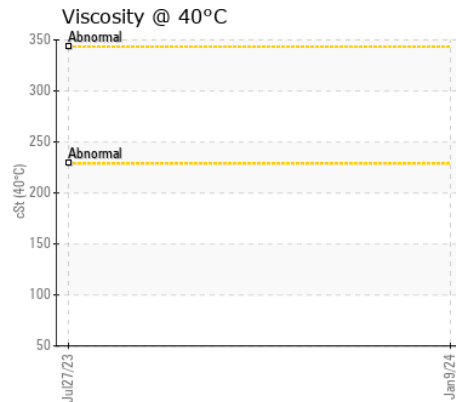
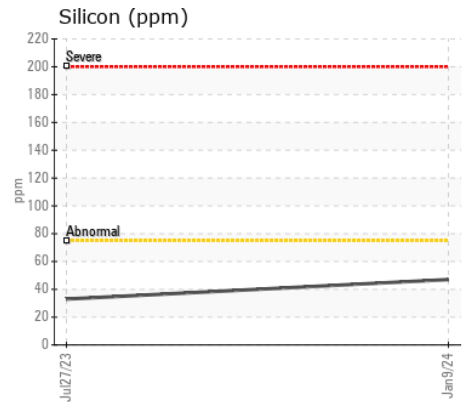
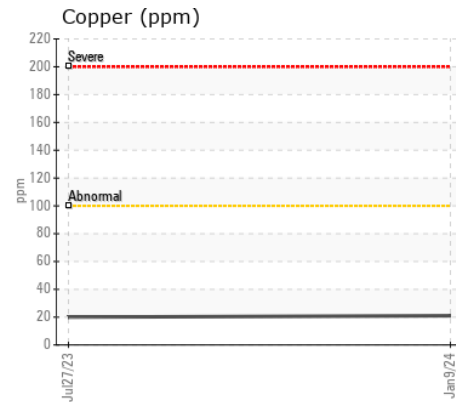
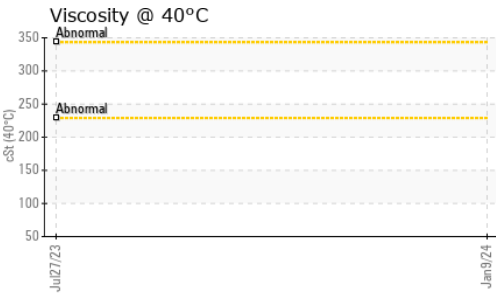
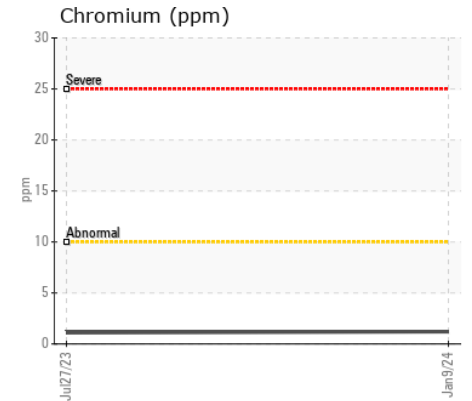
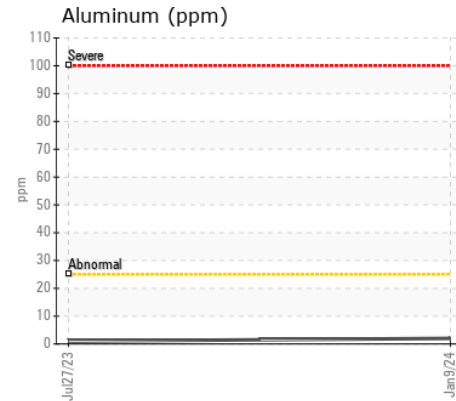
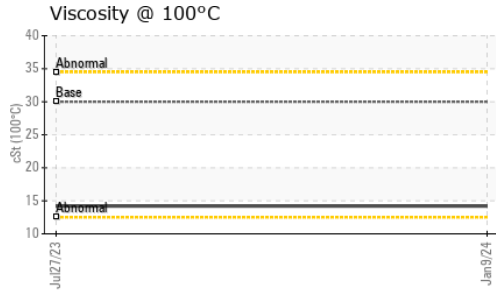
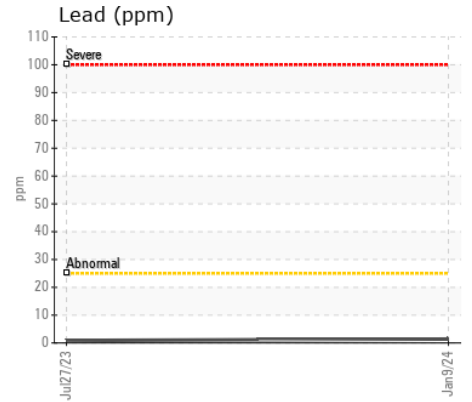
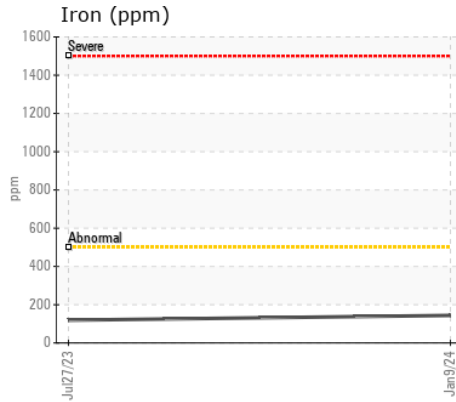
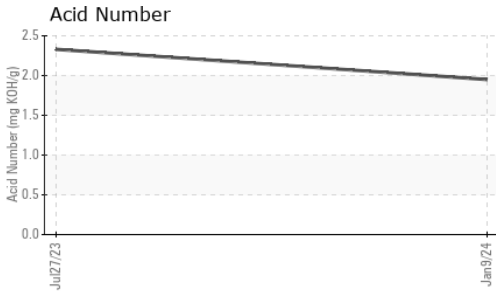
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	47	33	---
Potassium	ppm	ASTM D5185m	>20	<1	0	---
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		11	10	---
Boron	ppm	ASTM D5185m		254	285	---
Barium	ppm	ASTM D5185m		9	<1	---
Molybdenum	ppm	ASTM D5185m		0	0	---
Manganese	ppm	ASTM D5185m		6	6	---
Magnesium	ppm	ASTM D5185m		0	1	---
Calcium	ppm	ASTM D5185m		10	8	---
Phosphorus	ppm	ASTM D5185m		1528	1340	---
Zinc	ppm	ASTM D5185m		10	12	---
Sulfur	ppm	ASTM D5185m		25457	25056	---
Acid Number (AN)	mg KOH/g	ASTM D8045		1.95	2.33	---
Visc @ 40°C	cSt	ASTM D445		95.9	---	---
Visc @ 100°C	cSt	ASTM D445	30	14.2	14.2	---
Viscosity Index (VI)	Scale	ASTM D2270	105	152	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TR0001321 **Received** : 12 Jan 2024
Lab Number : 06060376 **Diagnosed** : 16 Jan 2024
Unique Number : 10831758 **Diagnostician** : Don Baldrige
Test Package : MOB 2 (Additional Tests: KV100, VI)

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)

S S CONCRETE MATERIALS LLC
P.O. BOX 23283
BULLHEAD CITY, AZ
US 86439
Contact: SNS INVENTORY
snsinventory@yahoo.com
T:
F: (928)754-1991