



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**TAIT 3406 TAIT**

Component  
**Diesel Engine**

Fluid  
**TRC MOLY XL PRO-SPEC IV XP 15W40 (8 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR06060439	TR04898382	---
Sample Date		Client Info		04 Jan 2024	03 Jan 2020	---
Machine Age	hrs	Client Info		1446	100	---
Oil Age	hrs	Client Info		210	0	---
Filter Age	hrs	Client Info		210	0	---
Oil Changed		Client Info		Changed	N/A	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				NORMAL	NORMAL	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>86	28	14	---
Chromium	ppm	ASTM D5185m	>3	2	<1	---
Nickel	ppm	ASTM D5185m	>3	<1	<1	---
Titanium	ppm	ASTM D5185m	>2	<1	<1	---
Silver	ppm	ASTM D5185m	>2	0	0	---
Aluminum	ppm	ASTM D5185m	>15	3	1	---
Lead	ppm	ASTM D5185m	>16	<1	0	---
Copper	ppm	ASTM D5185m	>250	2	1	---
Tin	ppm	ASTM D5185m	>2	<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

**CONTAMINATION**

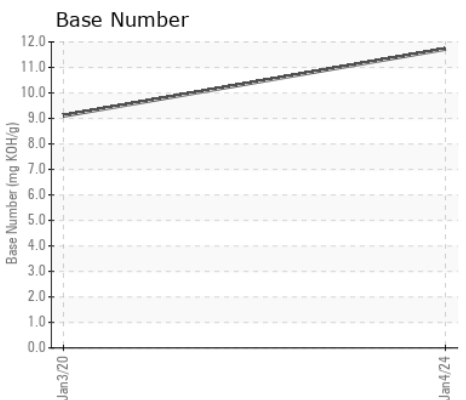
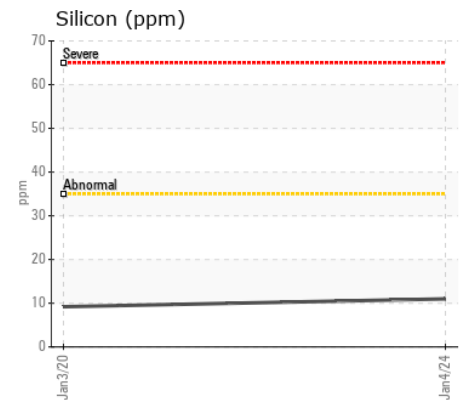
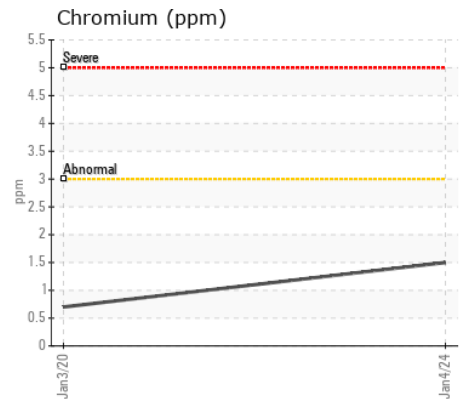
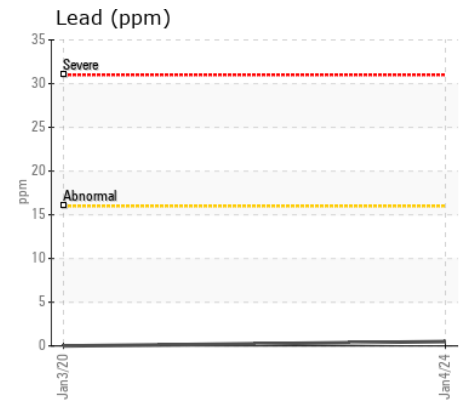
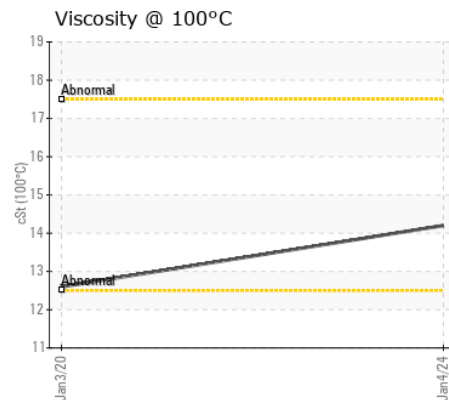
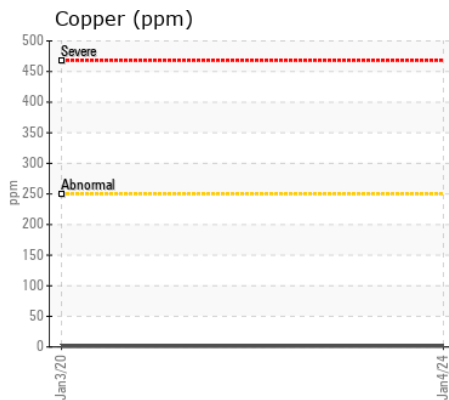
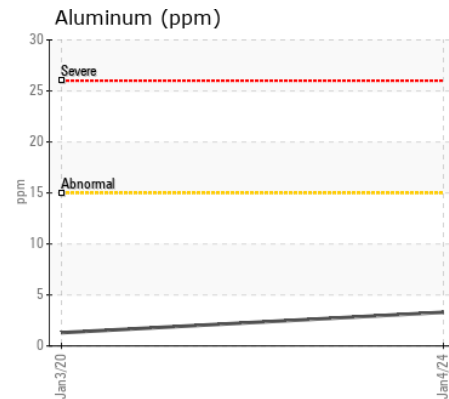
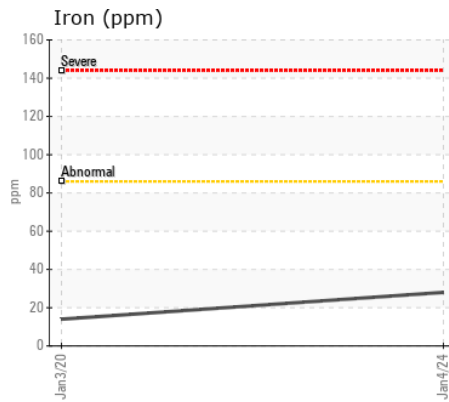
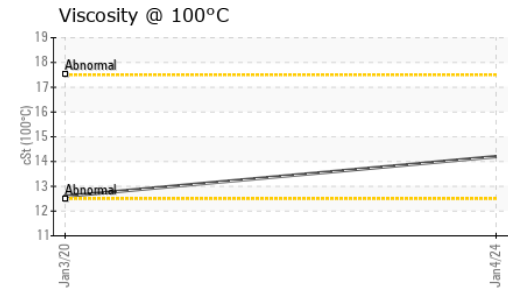
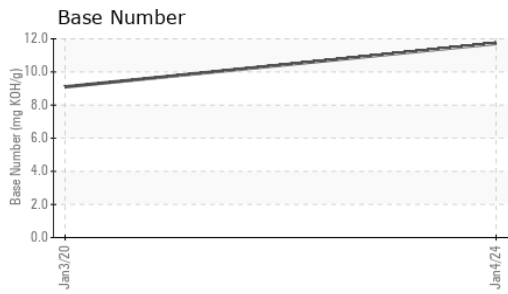
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	11	9	---
Potassium	ppm	ASTM D5185m	>20	8	0	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.1	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	9.2	6.1	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.6	22.1	---
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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		4	7	---
Boron	ppm	ASTM D5185m		8	43	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		126	36	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		27	459	---
Calcium	ppm	ASTM D5185m		4037	1619	---
Phosphorus	ppm	ASTM D5185m		935	662	---
Zinc	ppm	ASTM D5185m		1055	794	---
Sulfur	ppm	ASTM D5185m		4185	1772	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	10.3	20.3	---
Base Number (BN)	mg KOH/g	ASTM D2896		11.72	9.10	---
Visc @ 100°C	cSt	ASTM D445		14.2	12.6	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TR06060439 **Received** : 12 Jan 2024  
**Lab Number** : 06060439 **Diagnosed** : 16 Jan 2024  
**Unique Number** : 10831821 **Diagnostician** : Wes Davis  
**Test Package** : MOB 2

**SLATER BROS FARM LLC**  
 10001 CANAL RD  
 HEBRON, OH  
 US 43025  
 Contact: LARRY HUMPHREY

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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F: