



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
GM 5.7L
 Component
Propane Engine
 Fluid
TRC MOLY PRO-SPEC MOTOR 10W30 (5 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR06218918	TR06169150	---
Sample Date		Client Info		19 Jun 2024	29 Apr 2024	---
Machine Age	hrs	Client Info		0	0	---
Oil Age	hrs	Client Info		330	0	---
Filter Age	hrs	Client Info		330	0	---
Oil Changed		Client Info		Not Changd	N/A	---
Filter Changed		Client Info		Not Changd	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	8	4	---
Chromium	ppm	ASTM D5185m	>25	<1	0	---
Nickel	ppm	ASTM D5185m	>5	<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m	>5	<1	0	---
Aluminum	ppm	ASTM D5185m	>20	4	2	---
Lead	ppm	ASTM D5185m	>25	7	<1	---
Copper	ppm	ASTM D5185m	>35	2	0	---
Tin	ppm	ASTM D5185m	>8	1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

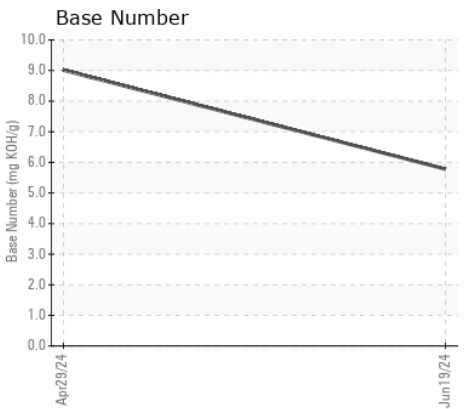
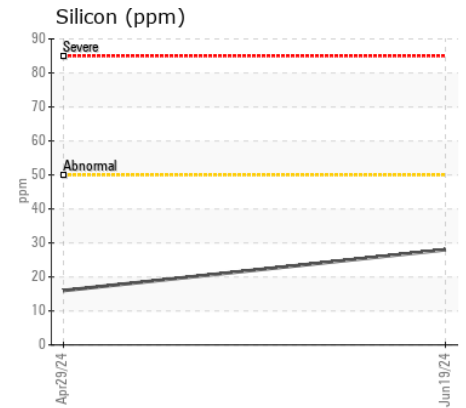
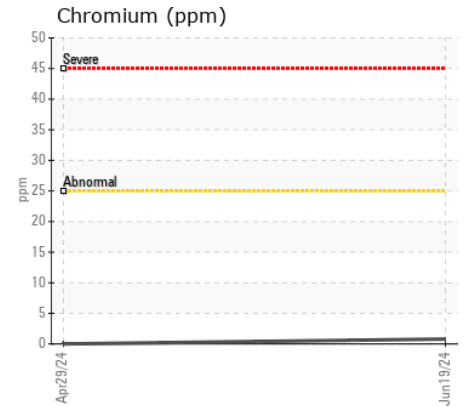
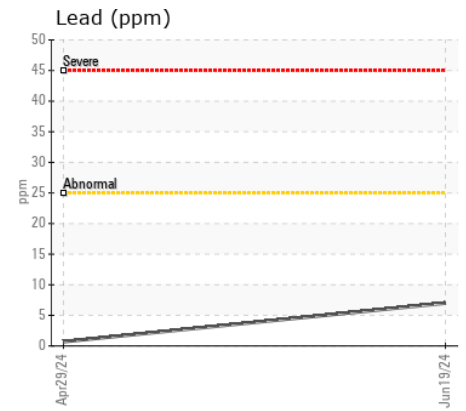
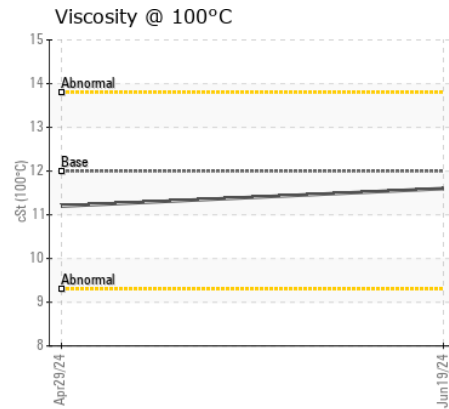
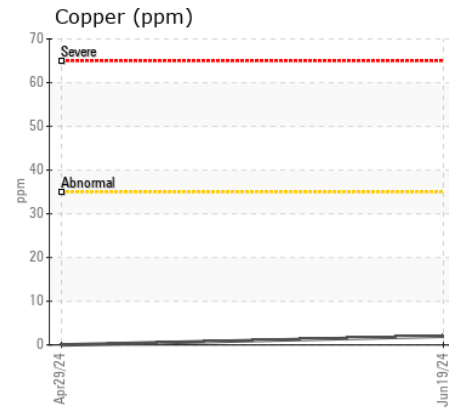
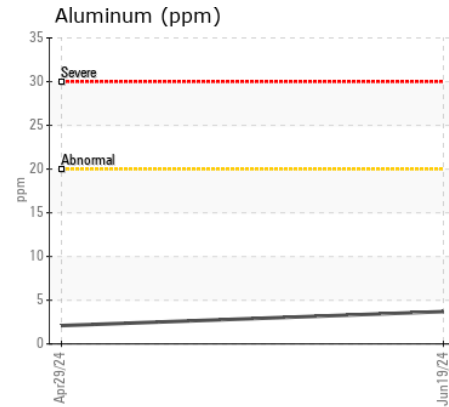
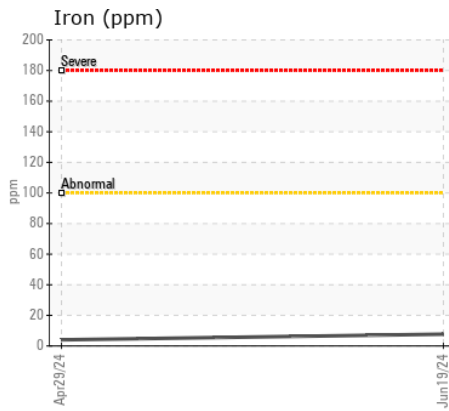
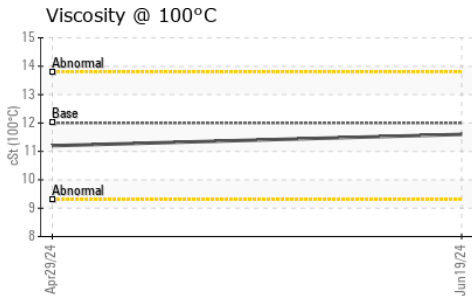
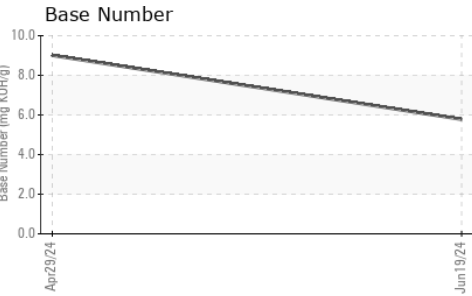
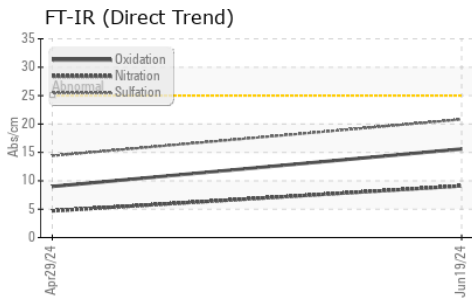
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	28	16	---
Potassium	ppm	ASTM D5185m	>20	2	0	---
Water		WC Method	>0.1	NEG	NEG	---
Soot %	%	*ASTM D7844		0	0	---
Nitration	Abs/cm	*ASTM D7624	>20	9.1	4.7	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.8	14.4	---
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	>0.1	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		2	<1	---
Boron	ppm	ASTM D5185m		55	121	---
Barium	ppm	ASTM D5185m		3	1	---
Molybdenum	ppm	ASTM D5185m		316	287	---
Manganese	ppm	ASTM D5185m		1	<1	---
Magnesium	ppm	ASTM D5185m		526	537	---
Calcium	ppm	ASTM D5185m		1584	1506	---
Phosphorus	ppm	ASTM D5185m		808	739	---
Zinc	ppm	ASTM D5185m		894	897	---
Sulfur	ppm	ASTM D5185m		2457	2693	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.6	9.0	---
Base Number (BN)	mg KOH/g	ASTM D2896		5.78	9.01	---
Visc @ 100°C	cSt	ASTM D445	12.0	11.6	11.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TR06218918
Lab Number : 06218918
Unique Number : 11097115
Test Package : MOB 2

Received : 24 Jun 2024
Tested : 25 Jun 2024
Diagnosed : 26 Jun 2024 - Sean Felton

WALLOWA LAKE TRAMWAY
 59919 WALLOWA LAKE HWY
 JOSEPH, OR
 US 97846
 Contact: RON GROGAN

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: