



TRAAP

Texas Refinery Advanced Analysis Program

# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**PETERBILT 10 PETE**  
 Component  
**Diesel Engine**  
 Fluid  
**TRC MOLY 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		TR06217422	TR05943131	---
Sample Date		Client Info		03 Jun 2024	29 Aug 2023	---
Machine Age	mls	Client Info		827115	805108	---
Oil Age	mls	Client Info		5116	3372	---
Filter Age	mls	Client Info		5116	3372	---
Oil Changed		Client Info		Changed	Not Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>165	12	94	---
Chromium	ppm	ASTM D5185m	>5	<1	<1	---
Nickel	ppm	ASTM D5185m	>4	<1	0	---
Titanium	ppm	ASTM D5185m	>2	14	<1	---
Silver	ppm	ASTM D5185m	>2	<1	0	---
Aluminum	ppm	ASTM D5185m	>20	3	4	---
Lead	ppm	ASTM D5185m	>150	1	1	---
Copper	ppm	ASTM D5185m	>90	2	2	---
Tin	ppm	ASTM D5185m	>5	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

## CONTAMINATION

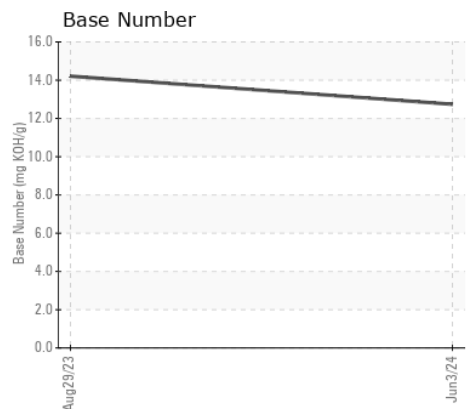
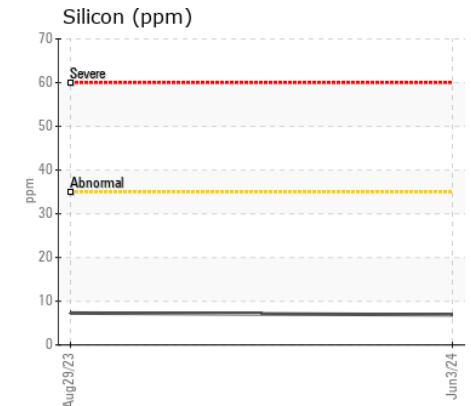
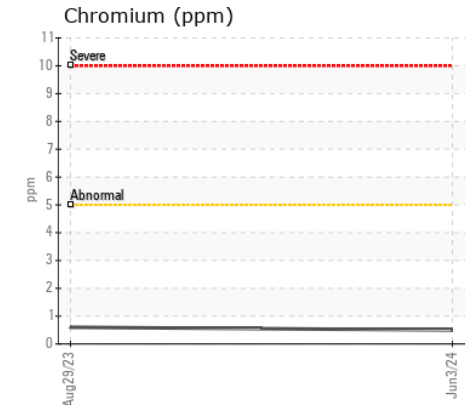
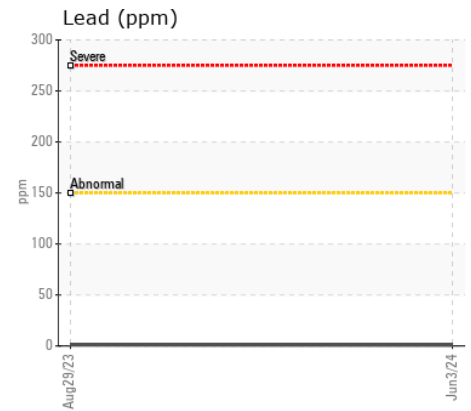
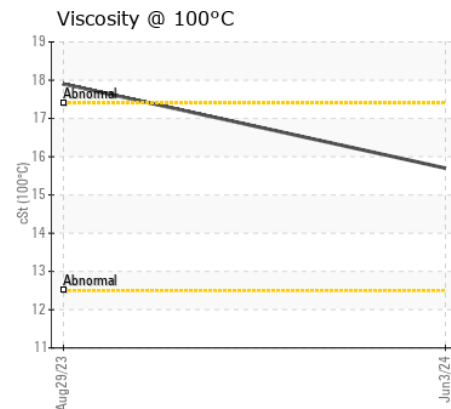
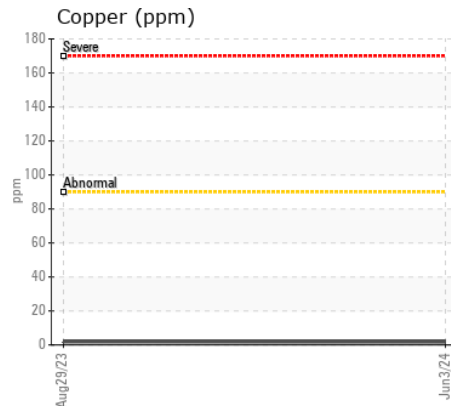
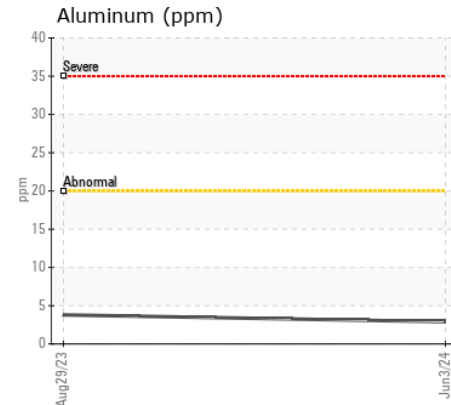
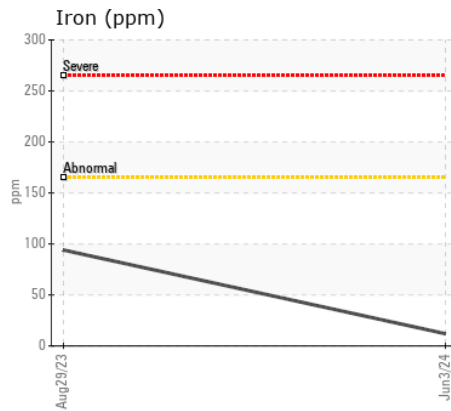
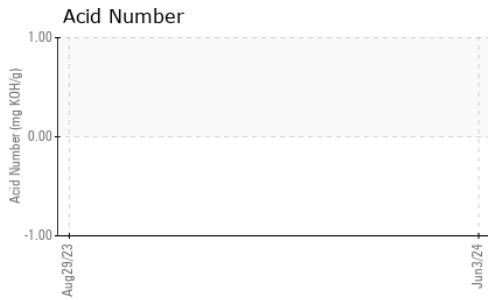
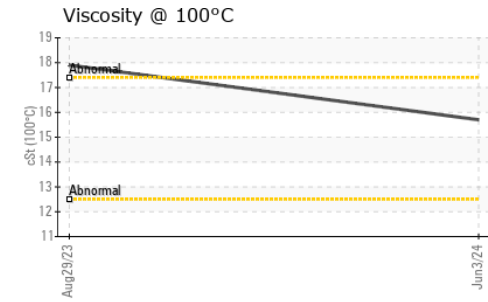
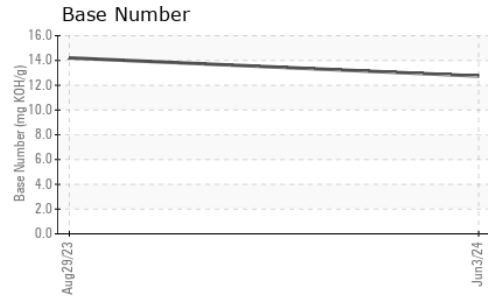
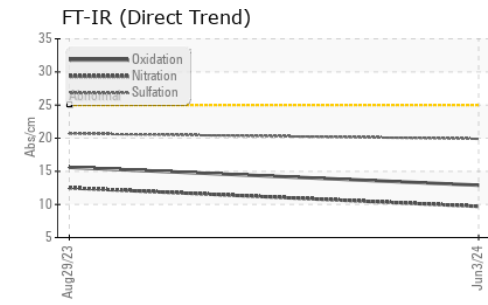
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	7	7	---
Potassium	ppm	ASTM D5185m	>20	5	2	---
Fuel		WC Method	>3.0	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>7.5	0.1	0.7	---
Nitration	Abs/cm	*ASTM D7624	>20	9.7	12.5	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.9	20.7	---
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		2	3	---
Boron	ppm	ASTM D5185m		15	8	---
Barium	ppm	ASTM D5185m		<1	0	---
Molybdenum	ppm	ASTM D5185m		2	4	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		68	110	---
Calcium	ppm	ASTM D5185m		4125	3983	---
Phosphorus	ppm	ASTM D5185m		1034	841	---
Zinc	ppm	ASTM D5185m		1177	1036	---
Sulfur	ppm	ASTM D5185m		4284	4457	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.9	15.6	---
Base Number (BN)	mg KOH/g	ASTM D2896		12.74	14.21	---
Visc @ 100°C	cSt	ASTM D445		15.7	17.9	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TR06217422 **Received** : 21 Jun 2024  
**Lab Number** : 06217422 **Tested** : 25 Jun 2024  
**Unique Number** : 11090286 **Diagnosed** : 25 Jun 2024 - Sean Felton  
**Test Package** : MOB 2 ( Additional Tests: TAN Man )

**EAGLE CREEK COLONY**  
 333 2100 ROAD SOUTH BOX 78  
 GALATA, MT  
 US 59444  
 Contact: MARK OPHEIM

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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