



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[42828720]
 Machine Id
PETERBILT 957-1739 TEI
 Component
Diesel Engine
 Fluid
MOBIL DELVAC MX 15W40 (48 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0016584	RPL0013665	---
Sample Date		Client Info		06 Jan 2024	19 Oct 2023	---
Machine Age	mls	Client Info		41073	26374	---
Oil Age	mls	Client Info		41073	26374	---
Filter Age	mls	Client Info		41073	26374	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		Changed	Not Changd	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	89	55	---
Chromium	ppm	ASTM D5185m	>20	<1	<1	---
Nickel	ppm	ASTM D5185m	>4	<1	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m	>3	<1	<1	---
Aluminum	ppm	ASTM D5185m	>20	70	48	---
Lead	ppm	ASTM D5185m	>40	1	2	---
Copper	ppm	ASTM D5185m	>330	67	68	---
Tin	ppm	ASTM D5185m	>15	2	2	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

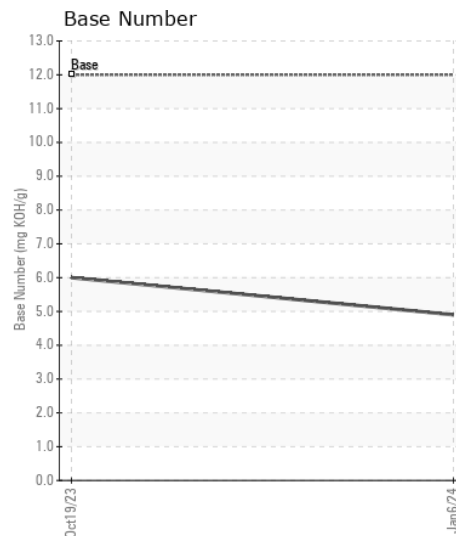
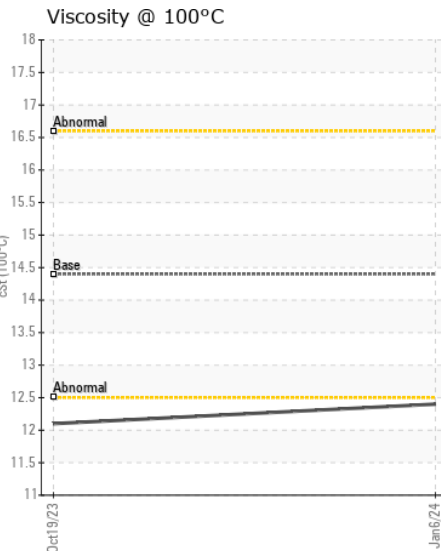
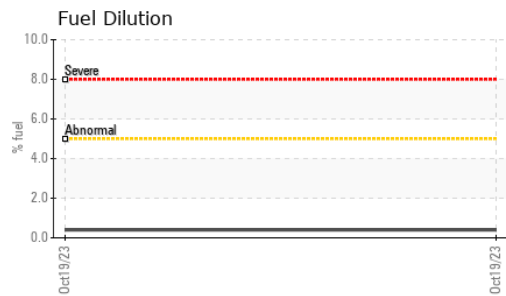
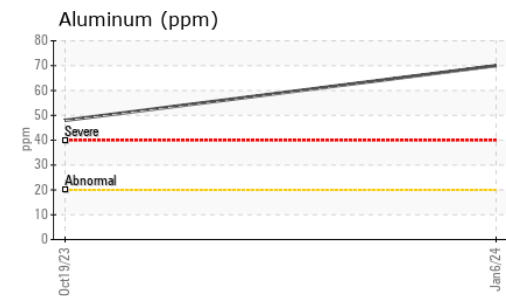
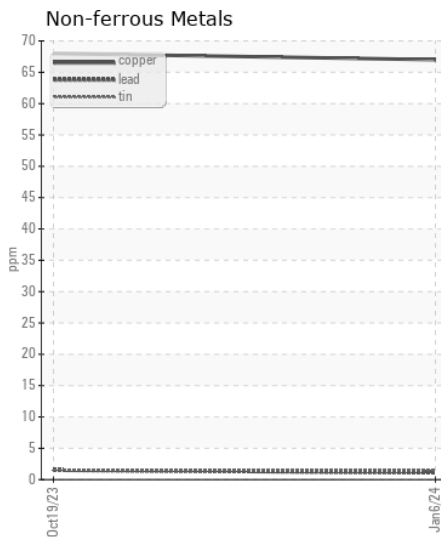
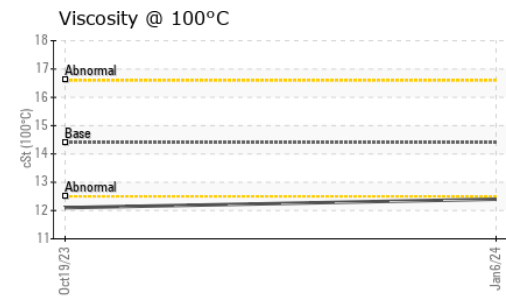
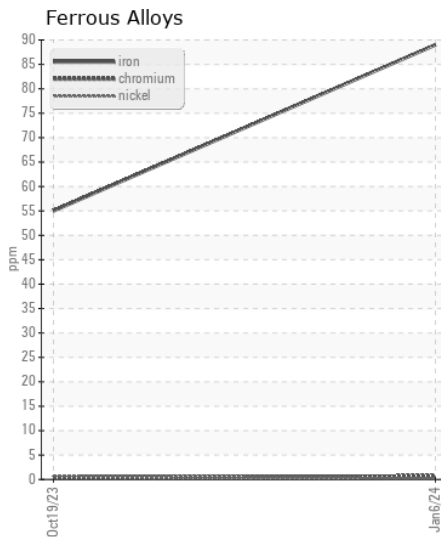
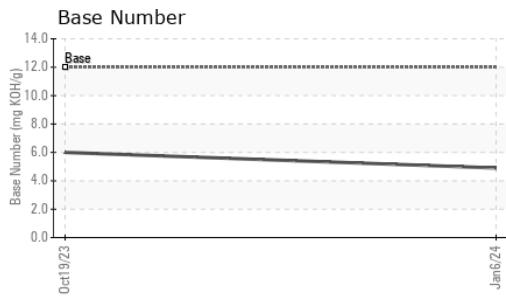
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	15	13	---
Potassium	ppm	ASTM D5185m	>20	224	160	---
Fuel	%	ASTM D3524	>5	<1.0	0.4	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.5	0.3	---
Nitration	Abs/cm	*ASTM D7624	>20	12.5	11.2	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.2	23.4	---
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	>0.2	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		6	8	---
Boron	ppm	ASTM D5185m		17	25	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		32	24	---
Manganese	ppm	ASTM D5185m		2	2	---
Magnesium	ppm	ASTM D5185m		792	687	---
Calcium	ppm	ASTM D5185m		1580	1398	---
Phosphorus	ppm	ASTM D5185m		840	765	---
Zinc	ppm	ASTM D5185m		990	848	---
Sulfur	ppm	ASTM D5185m		2876	2500	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	23.3	20.0	---
Base Number (BN)	mg KOH/g	ASTM D2896	12	4.9	6.0	---
Visc @ 100°C	cSt	ASTM D445	14.4	12.4	12.1	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0016584 **Received** : 17 Jan 2024
Lab Number : 06062371 **Diagnosed** : 18 Jan 2024
Unique Number : 10833753 **Diagnostician** : Sean Felton
Test Package : FLEET (Additional Tests: FuelDilution)

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To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)