



PacLease

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ATTENTION

Machine Id
846-5130

Component
1 Diesel Engine

Fluid
MOBIL DELVAC ELITE 15W40 (--- QTS)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0019441	RPL0015478	---
Sample Date		Client Info		11 Mar 2024	20 Sep 2023	---
Machine Age	mls	Client Info		17477	11586	---
Oil Age	mls	Client Info		17477	11586	---
Filter Age	mls	Client Info		17477	11586	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		Changed	Not Changd	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	67	33	---
Chromium	ppm	ASTM D5185m	>20	4	2	---
Nickel	ppm	ASTM D5185m	>4	<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m	>3	<1	<1	---
Aluminum	ppm	ASTM D5185m	>20	11	8	---
Lead	ppm	ASTM D5185m	>40	<1	1	---
Copper	ppm	ASTM D5185m	>330	14	10	---
Tin	ppm	ASTM D5185m	>15	2	1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

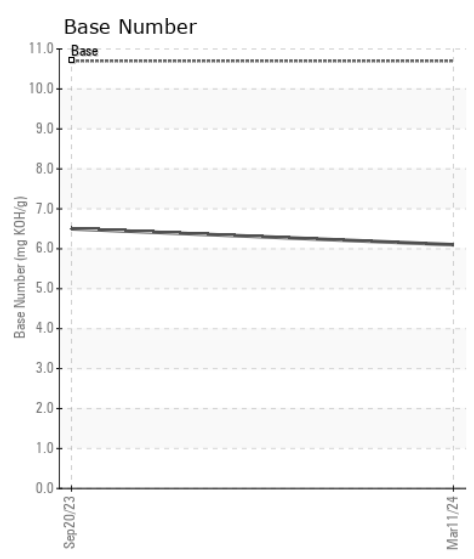
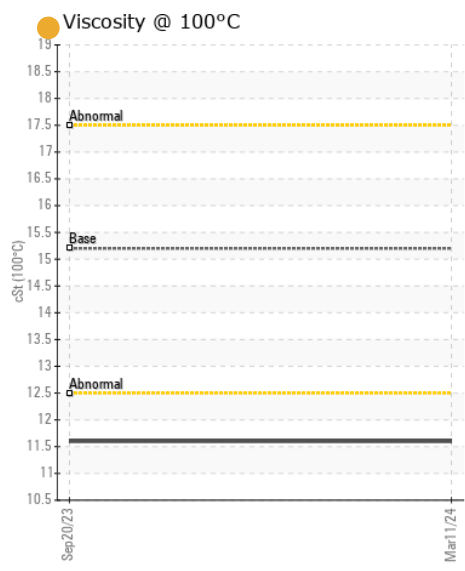
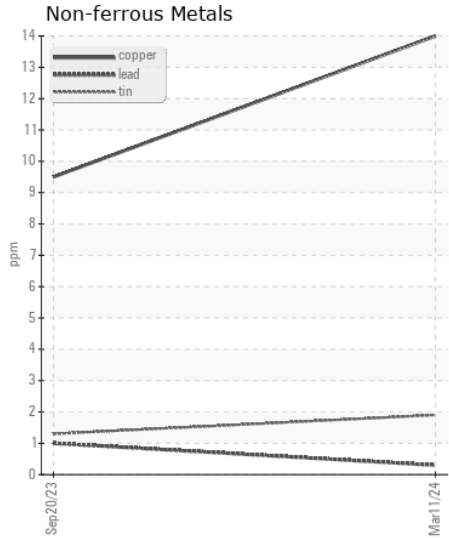
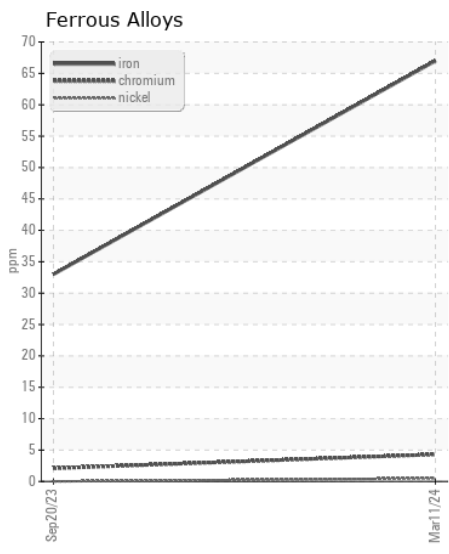
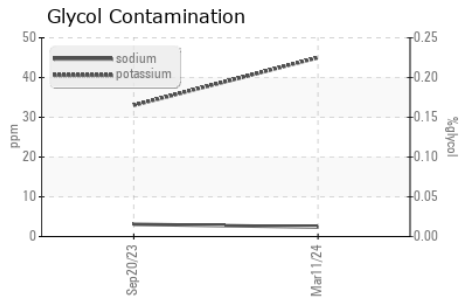
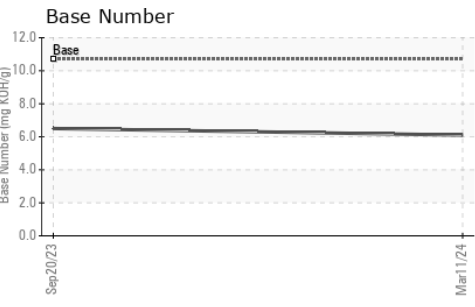
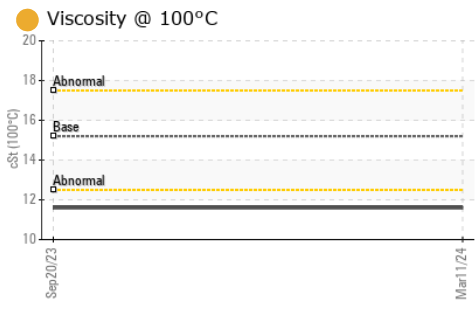
Sodium and/or potassium levels are high. Test for glycol is negative.

Silicon	ppm	ASTM D5185m	>25	17	13	---
Potassium	ppm	ASTM D5185m	>20	▲ 45	33	---
Fuel		WC Method	>5	<1.0	0.7	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol	%	*ASTM D2982		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.2	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	10.2	9.1	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.8	18.8	---
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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		2	3	---
Boron	ppm	ASTM D5185m		30	43	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		15	9	---
Manganese	ppm	ASTM D5185m		2	2	---
Magnesium	ppm	ASTM D5185m		750	740	---
Calcium	ppm	ASTM D5185m		1286	1207	---
Phosphorus	ppm	ASTM D5185m		765	701	---
Zinc	ppm	ASTM D5185m		919	829	---
Sulfur	ppm	ASTM D5185m		3123	2803	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.0	14.4	---
Base Number (BN)	mg KOH/g	ASTM D2896	10.7	6.1	6.5	---
Visc @ 100°C	cSt	ASTM D445	15.2	● 11.6	▲ 11.6	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0019441 **Received** : 19 Mar 2024
Lab Number : 06121947 **Tested** : 21 Mar 2024
Unique Number : 10936098 **Diagnosed** : 21 Mar 2024 - Jonathan Hester
Test Package : FLEET (Additional Tests: Glycol)

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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)