



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[42970572]
 Machine Id
INTERNATIONAL 957-1916 TEI CM
 Component
Diesel Engine
 Fluid
MOBIL DELVAC MX 15W40 (40 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0016411	RPL0012097	---
Sample Date		Client Info		09 Feb 2024	05 Apr 2023	---
Machine Age	mls	Client Info		349461	303364	---
Oil Age	mls	Client Info		11558	303364	---
Filter Age	mls	Client Info		11558	0	---
Oil Changed		Client Info		Not Changd	Changed	---
Filter Changed		Client Info		Not Changd	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	14	31	---
Chromium	ppm	ASTM D5185m	>20	<1	2	---
Nickel	ppm	ASTM D5185m	>4	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>20	4	3	---
Lead	ppm	ASTM D5185m	>40	0	<1	---
Copper	ppm	ASTM D5185m	>330	2	42	---
Tin	ppm	ASTM D5185m	>15	0	1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

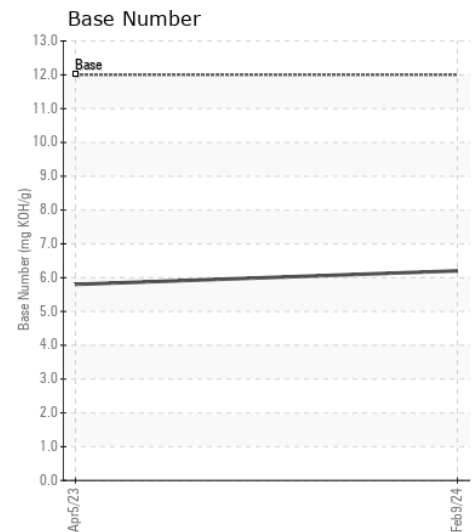
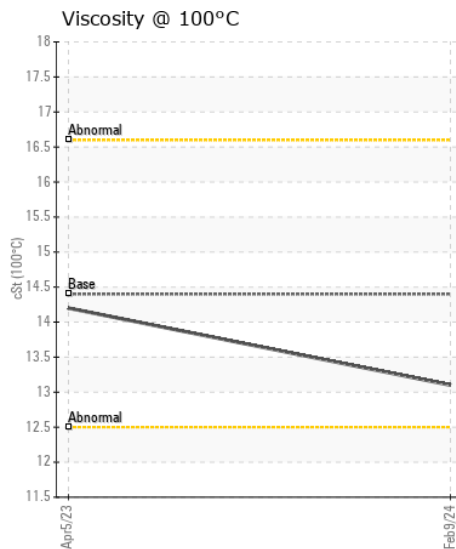
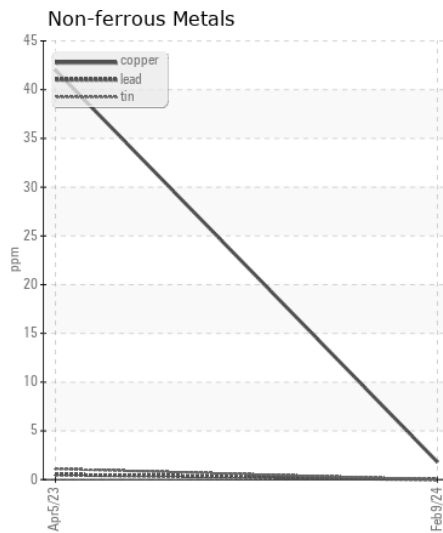
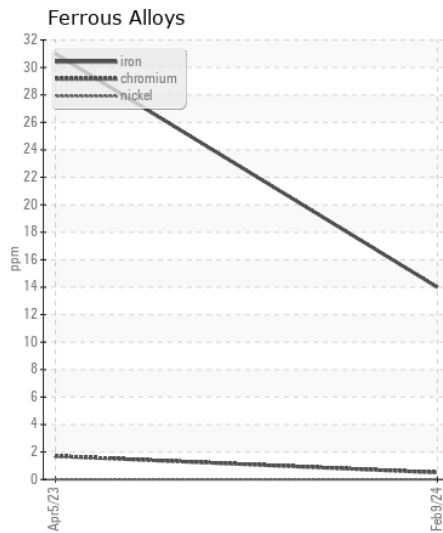
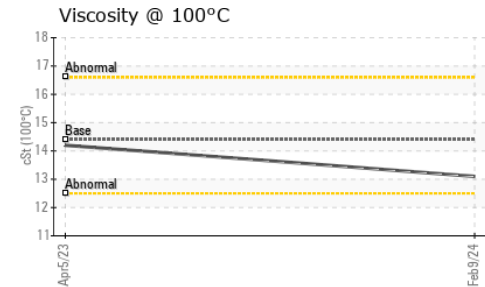
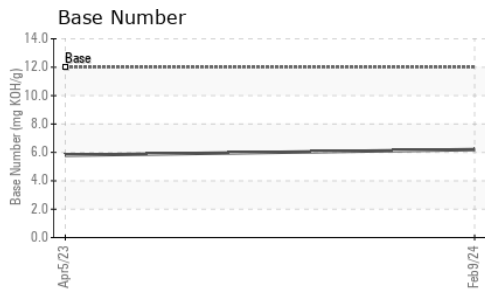
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	11	9	---
Potassium	ppm	ASTM D5185m	>20	5	23	---
Fuel		WC Method	>2.0	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.6	1	---
Nitration	Abs/cm	*ASTM D7624	>20	10.7	11.5	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.0	24.0	---
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		0	5	---
Boron	ppm	ASTM D5185m		71	13	---
Barium	ppm	ASTM D5185m		9	0	---
Molybdenum	ppm	ASTM D5185m		134	11	---
Manganese	ppm	ASTM D5185m		0	1	---
Magnesium	ppm	ASTM D5185m		660	850	---
Calcium	ppm	ASTM D5185m		1162	1673	---
Phosphorus	ppm	ASTM D5185m		648	891	---
Zinc	ppm	ASTM D5185m		840	1047	---
Sulfur	ppm	ASTM D5185m		2985	3701	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.3	18.4	---
Base Number (BN)	mg KOH/g	ASTM D2896	12	6.2	5.8	---
Visc @ 100°C	cSt	ASTM D445	14.4	13.1	14.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0016411
Lab Number : 06088547
Unique Number : 10875992
Test Package : FLEET

Received : 14 Feb 2024
Tested : 15 Feb 2024
Diagnosed : 15 Feb 2024 - Jonathan Hester

RTL PACLEASE - 7002 - San Antonio
 8810 IH-10 Frontage Road
 Converse, TX
 US 78109

Contact: Mike Friel
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T: (210)901-7283

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)

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