



WEAR **NORMAL**

CONTAMINATION **NORMAL**

FLUID CONDITION **NORMAL**

OIL ANALYSIS REPORT

Area
[45061108]

Machine Id
INTERNATIONAL 9571923 TEI CM

Component
Diesel Engine

Fluid
MOBIL DELVAC MX 15W40 (42 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0016515	RPL0012109	---
Sample Date		Client Info		18 Jun 2024	07 Apr 2023	---
Machine Age	mls	Client Info		638236	555357	---
Oil Age	mls	Client Info		10504	0	---
Filter Age	mls	Client Info		10504	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>165	16	32	---
Chromium	ppm	ASTM D5185m	>5	<1	2	---
Nickel	ppm	ASTM D5185m	>4	<1	0	---
Titanium	ppm	ASTM D5185m	>2	<1	0	---
Silver	ppm	ASTM D5185m	>2	<1	0	---
Aluminum	ppm	ASTM D5185m	>20	3	3	---
Lead	ppm	ASTM D5185m	>150	3	8	---
Copper	ppm	ASTM D5185m	>90	2	1	---
Tin	ppm	ASTM D5185m	>5	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

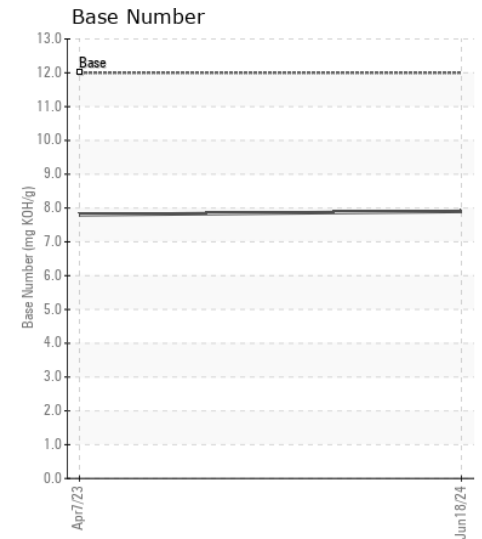
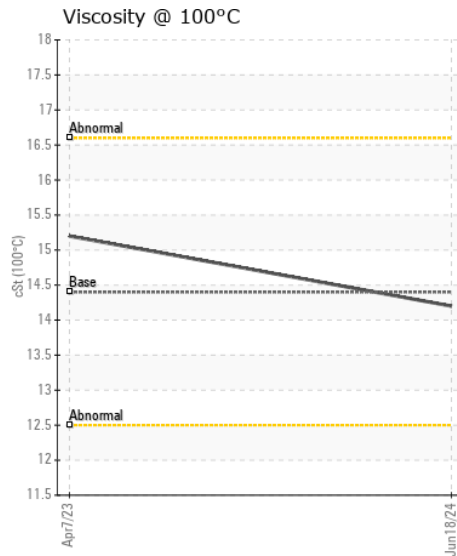
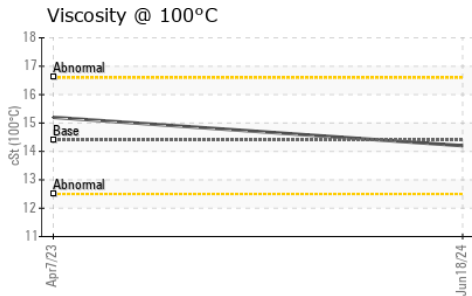
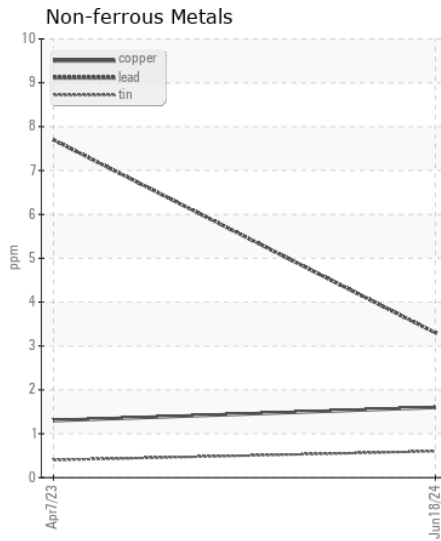
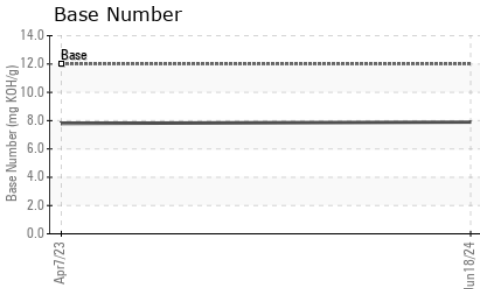
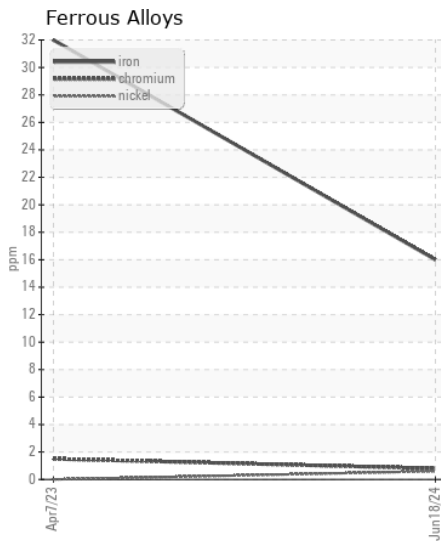
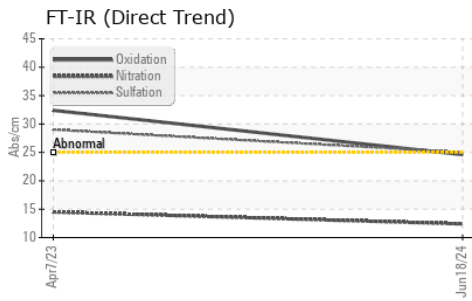
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	25	22	---
Potassium	ppm	ASTM D5185m	>20	3	0	---
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	0.4	0.5	---
Nitration	Abs/cm	*ASTM D7624	>20	12.4	14.5	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.0	29.0	---
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		2	4	---
Boron	ppm	ASTM D5185m		46	47	---
Barium	ppm	ASTM D5185m		2	0	---
Molybdenum	ppm	ASTM D5185m		80	50	---
Manganese	ppm	ASTM D5185m		<1	1	---
Magnesium	ppm	ASTM D5185m		669	641	---
Calcium	ppm	ASTM D5185m		1717	2155	---
Phosphorus	ppm	ASTM D5185m		842	882	---
Zinc	ppm	ASTM D5185m		1015	1123	---
Sulfur	ppm	ASTM D5185m		2802	2701	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.6	32.4	---
Base Number (BN)	mg KOH/g	ASTM D2896	12	7.9	7.8	---
Visc @ 100°C	cSt	ASTM D445	14.4	14.2	15.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0016515
Lab Number : 06219336
Unique Number : 11097533
Test Package : FLEET
Received : 25 Jun 2024
Tested : 25 Jun 2024
Diagnosed : 25 Jun 2024 - Wes Davis

RTL PACLEASE - 7002 - San Antonio
 8810 IH-10 Frontage Road
 Converse, TX
 US 78109
 Contact: Mike Friel
 FrielM@RushEnterprises.Com
 T: (210)901-7283
 F:

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)