



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
781286
 Component
Diesel Engine
 Fluid
MOBIL 15W40 (11 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0002940	RPL06009413	---
Sample Date		Client Info		24 Jun 2024	08 Nov 2023	---
Machine Age	hrs	Client Info		2268	30397	---
Oil Age	hrs	Client Info		1252	1016	---
Filter Age	hrs	Client Info		1252	0	---
Oil Changed		Client Info		Changed	N/A	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>110	59	45	---
Chromium	ppm	ASTM D5185m	>4	4	3	---
Nickel	ppm	ASTM D5185m	>2	<1	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m	>2	<1	<1	---
Aluminum	ppm	ASTM D5185m	>25	32	35	---
Lead	ppm	ASTM D5185m	>45	<1	4	---
Copper	ppm	ASTM D5185m	>85	7	26	---
Tin	ppm	ASTM D5185m	>4	0	2	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

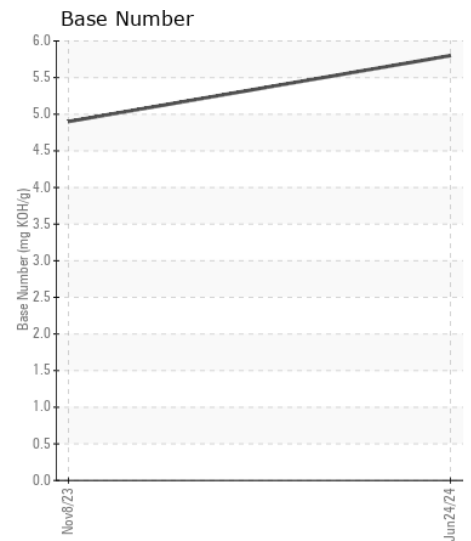
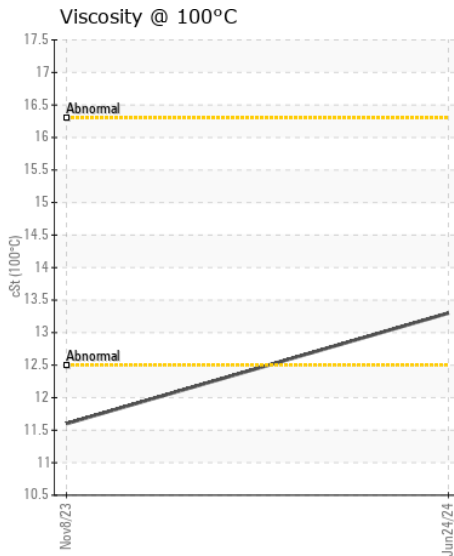
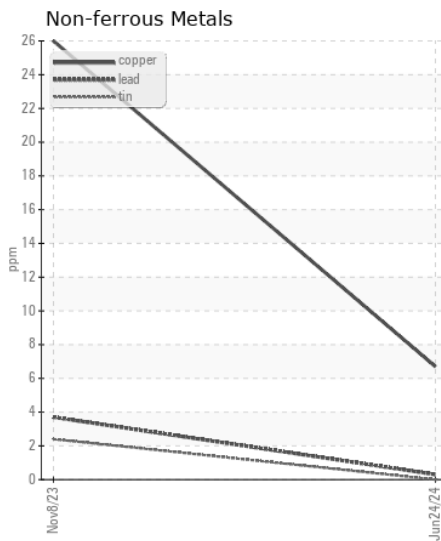
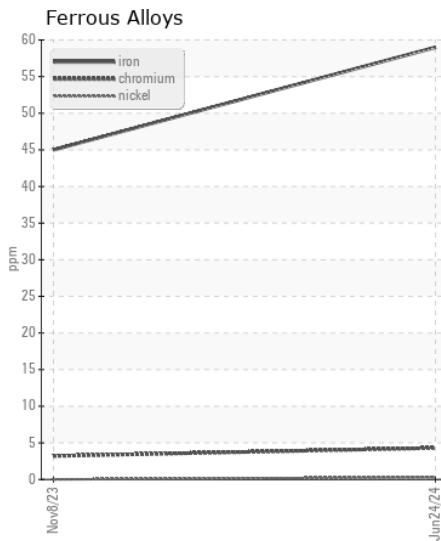
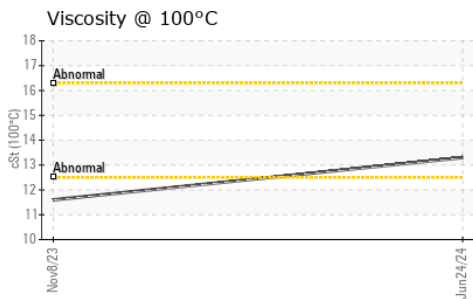
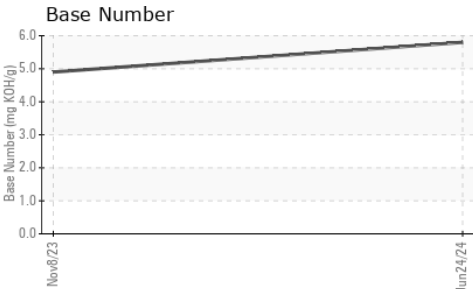
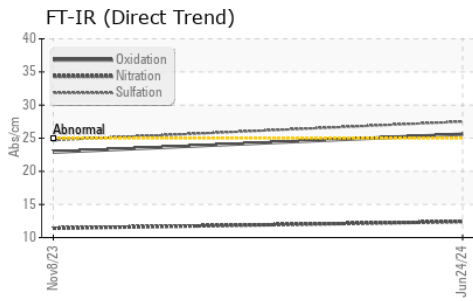
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	16	43	---
Potassium	ppm	ASTM D5185m	>20	94	109	---
Fuel		WC Method	>5	<1.0	0.9	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.6	0.3	---
Nitration	Abs/cm	*ASTM D7624	>20	12.4	11.4	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.5	24.7	---
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 acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>118	6	8	---
Boron	ppm	ASTM D5185m		59	37	---
Barium	ppm	ASTM D5185m		0	6	---
Molybdenum	ppm	ASTM D5185m		120	32	---
Manganese	ppm	ASTM D5185m		3	5	---
Magnesium	ppm	ASTM D5185m		689	759	---
Calcium	ppm	ASTM D5185m		1683	1393	---
Phosphorus	ppm	ASTM D5185m		648	694	---
Zinc	ppm	ASTM D5185m		784	871	---
Sulfur	ppm	ASTM D5185m		2488	2632	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	25.6	22.9	---
Base Number (BN)	mg KOH/g	ASTM D2896		5.8	4.9	---
Visc @ 100°C	cSt	ASTM D445		13.3	11.6	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0002940
Lab Number : 06228334
Unique Number : 11111827
Test Package : FLEET

Received : 05 Jul 2024
Tested : 08 Jul 2024
Diagnosed : 08 Jul 2024 - Don Baldrige

RTL PACLEASE - 7017 - Oklahoma City
 8700 West I-40
 Oklahoma City, OK
 US 73128
 Contact: TECHNICIAN ACCOUNT
 catherine.anastasio@wearcheck.com

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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F: