



WEAR **NORMAL**

CONTAMINATION **NORMAL**

FLUID CONDITION **NORMAL**

OIL ANALYSIS REPORT

Area
[43236200]
Machine Id
INTERNATIONAL 957-1924 TEI Contract Maintenance

Component
Diesel Engine

Fluid
MOBIL DELVAC MX 15W40 (40)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0016420	RPL0013690	RPL0006710
Sample Date		Client Info		06 Feb 2024	09 Nov 2023	09 Feb 2023
Machine Age	mls	Client Info		649119	639510	578287
Oil Age	mls	Client Info		9609	28307	0
Filter Age	mls	Client Info		9609	28307	0
Oil Changed		Client Info		Not Changd	Changed	Changed
Filter Changed		Client Info		Not Changd	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>165	17	32	20
Chromium	ppm	ASTM D5185m	>5	<1	2	2
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	1	3	2
Lead	ppm	ASTM D5185m	>150	4	17	13
Copper	ppm	ASTM D5185m	>90	<1	<1	0
Tin	ppm	ASTM D5185m	>5	0	1	1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

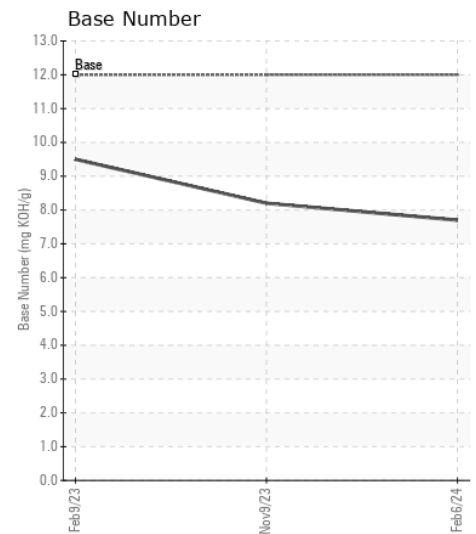
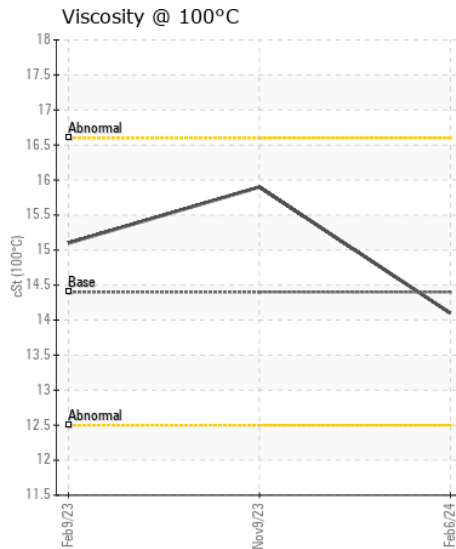
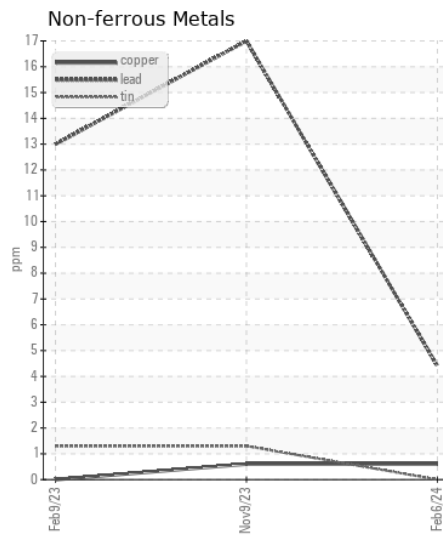
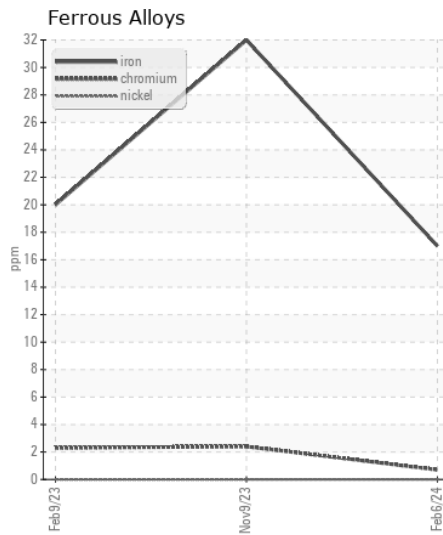
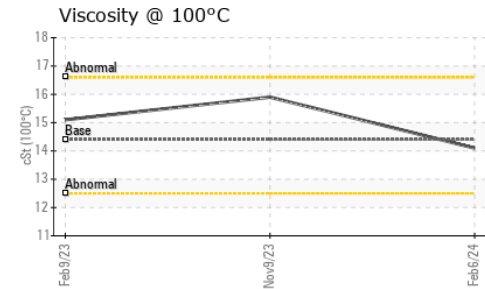
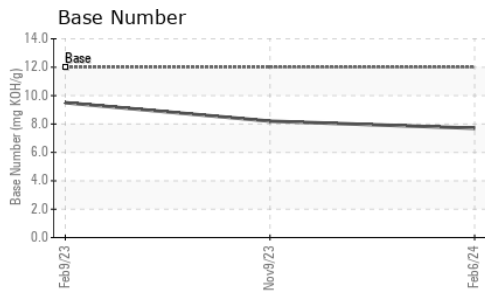
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	10	11	10
Potassium	ppm	ASTM D5185m	>20	2	0	1
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>7.5	0.4	0.6	0.5
Nitration	Abs/cm	*ASTM D7624	>20	13.2	16.3	13.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.3	31.2	30.7
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	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	2	2
Boron	ppm	ASTM D5185m		66	71	54
Barium	ppm	ASTM D5185m		9	0	0
Molybdenum	ppm	ASTM D5185m		110	98	54
Manganese	ppm	ASTM D5185m		0	<1	1
Magnesium	ppm	ASTM D5185m		698	902	701
Calcium	ppm	ASTM D5185m		1680	2362	2429
Phosphorus	ppm	ASTM D5185m		768	1150	1014
Zinc	ppm	ASTM D5185m		1010	1389	1291
Sulfur	ppm	ASTM D5185m		2884	3278	3030
Oxidation	Abs/.1mm	*ASTM D7414	>25	26.4	33.6	32.4
Base Number (BN)	mg KOH/g	ASTM D2896	12	7.7	8.2	9.5
Visc @ 100°C	cSt	ASTM D445	14.4	14.1	15.9	15.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0016420
Lab Number : 06088550
Unique Number : 10875995
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
 FrielM@RushEnterprises.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: