



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**997 (S/N P1D00066ADGLA3646)**  
 Component  
**Diesel Engine**  
 Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (2 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>R005993814</b>	RO05479426	---
Sample Date		Client Info		<b>07 Oct 2023</b>	19 Feb 2022	---
Machine Age	hrs	Client Info		<b>3990</b>	1050	---
Oil Age	hrs	Client Info		<b>480</b>	550	---
Filter Age	hrs	Client Info		<b>480</b>	550	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	ATTENTION	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>30</b>	23	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>20	<b>6</b>	3	---
Lead	ppm	ASTM D5185m	>40	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m	>330	<b>3</b>	180	---
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

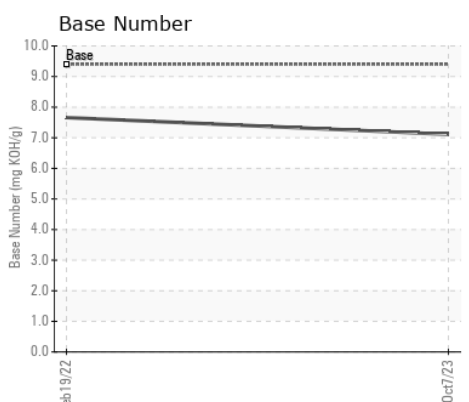
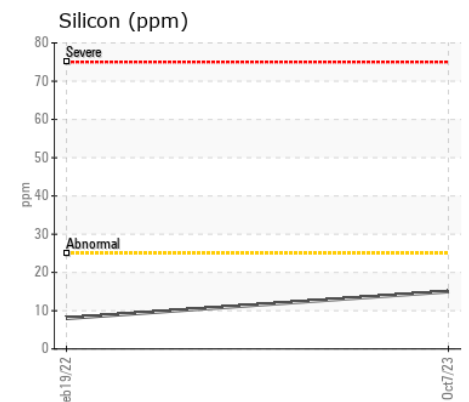
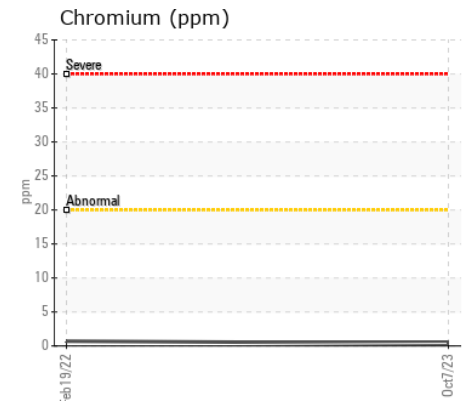
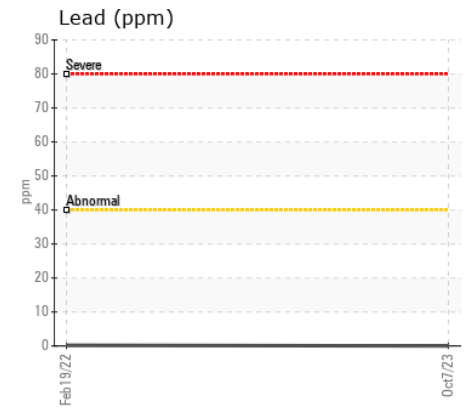
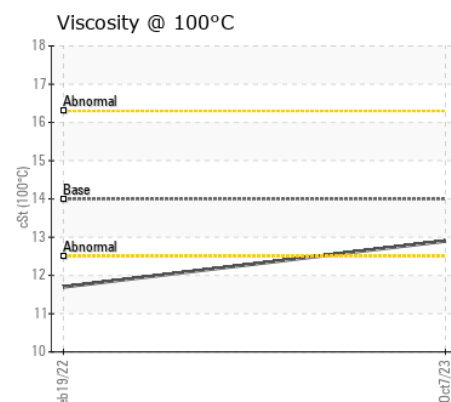
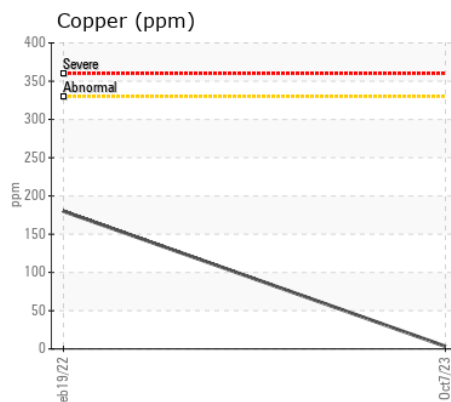
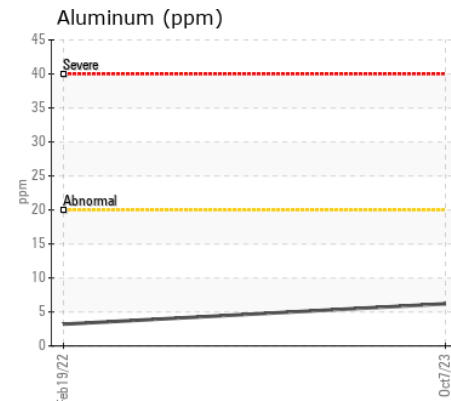
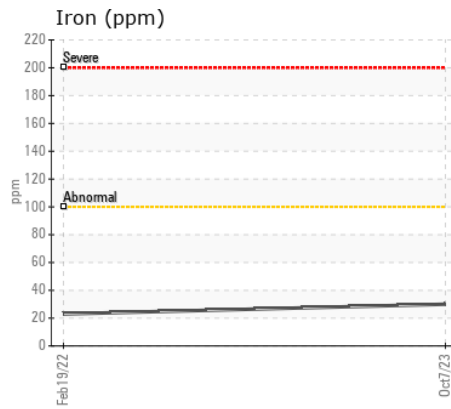
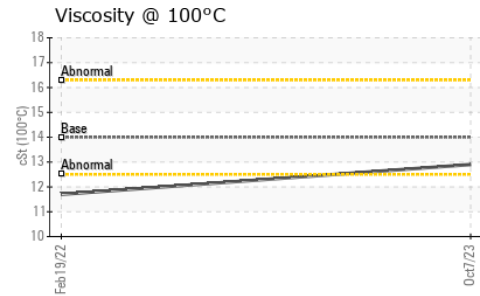
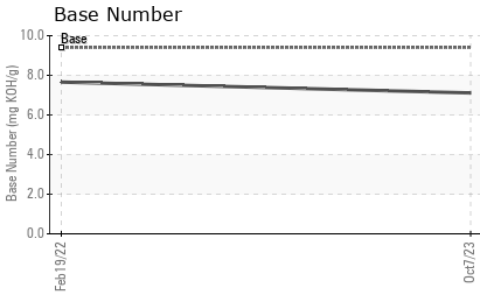
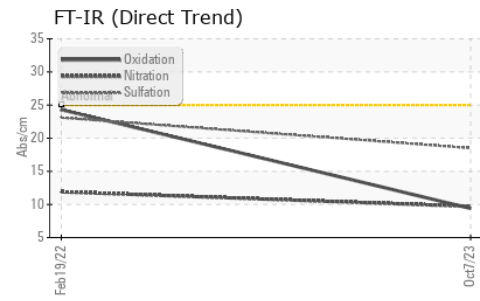
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>15</b>	8	---
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	<1	---
Fuel		WC Method	>5	<b>&lt;1.0</b>	0.0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	*ASTM D7844	>3	<b>0.6</b>	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.7</b>	11.9	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>18.5</b>	23.1	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	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		<b>3</b>	3	---
Boron	ppm	ASTM D5185m	0	<b>211</b>	42	---
Barium	ppm	ASTM D5185m	0	<b>20</b>	0	---
Molybdenum	ppm	ASTM D5185m	0	<b>135</b>	46	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	1	---
Magnesium	ppm	ASTM D5185m	0	<b>528</b>	454	---
Calcium	ppm	ASTM D5185m		<b>2108</b>	1961	---
Phosphorus	ppm	ASTM D5185m		<b>1219</b>	860	---
Zinc	ppm	ASTM D5185m		<b>1386</b>	1010	---
Sulfur	ppm	ASTM D5185m		<b>5087</b>	2317	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>9.4</b>	24.3	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>7.11</b>	7.66	---
Visc @ 100°C	cSt	ASTM D445	14	<b>12.9</b>	11.7	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RO05993814  
**Lab Number** : 05993814  
**Unique Number** : 10722174  
**Test Package** : MOB 2  
**Received** : 30 Oct 2023  
**Tested** : 31 Oct 2023  
**Diagnosed** : 01 Nov 2023 - Sean Felton

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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