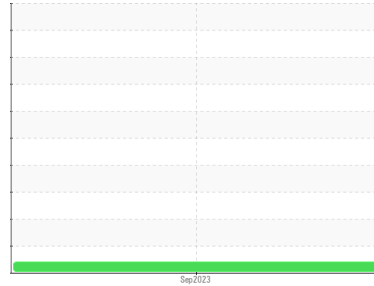




OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id

222

Component

Diesel Engine

Fluid

MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

DIAGNOSIS

▲ Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

▲ Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	RW0002960	---	---
Sample Date	Client Info	22 Sep 2023	---	---
Machine Age	hrs Client Info	604	---	---
Oil Age	hrs Client Info	400	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		ATTENTION	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Glycol	WC Method	NEG	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >100	28	---	---
Chromium ppm	ASTM D5185m >20	<1	---	---
Nickel ppm	ASTM D5185m >4	<1	---	---
Titanium ppm	ASTM D5185m	0	---	---
Silver ppm	ASTM D5185m >3	<1	---	---
Aluminum ppm	ASTM D5185m >20	1	---	---
Lead ppm	ASTM D5185m >40	0	---	---
Copper ppm	ASTM D5185m >330	5	---	---
Tin ppm	ASTM D5185m >15	0	---	---
Vanadium ppm	ASTM D5185m	0	---	---
Cadmium ppm	ASTM D5185m	<1	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m 0	94	---	---
Barium ppm	ASTM D5185m 0	9	---	---
Molybdenum ppm	ASTM D5185m 0	9	---	---
Manganese ppm	ASTM D5185m	1	---	---
Magnesium ppm	ASTM D5185m 0	639	---	---
Calcium ppm	ASTM D5185m	1249	---	---
Phosphorus ppm	ASTM D5185m	680	---	---
Zinc ppm	ASTM D5185m	755	---	---
Sulfur ppm	ASTM D5185m	3042	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >25	15	---	---
Sodium ppm	ASTM D5185m	<1	---	---
Potassium ppm	ASTM D5185m >20	7	---	---
Fuel %	ASTM D3524 >5	0.6	---	---

INFRA-RED

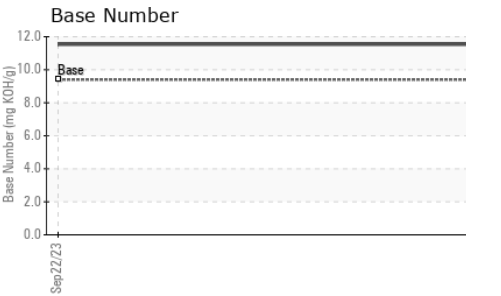
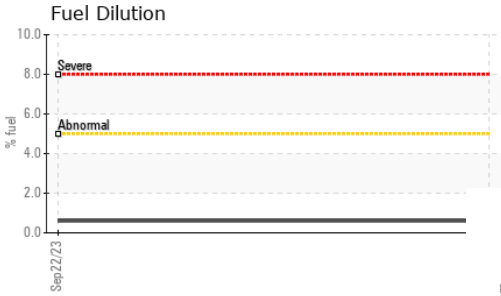
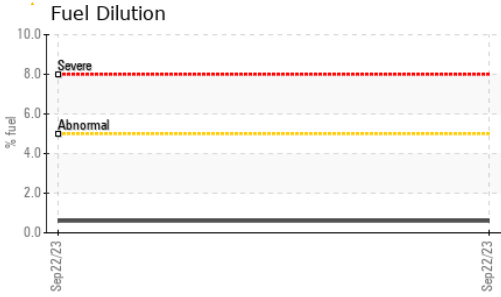
method	limit/base	current	history1	history2
Soot %	*ASTM D7844 >3	0.2	---	---
Nitration Abs/cm	*ASTM D7624 >20	7.4	---	---
Sulfation Abs/.1mm	*ASTM D7415 >30	18.0	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation Abs/.1mm	*ASTM D7414 >25	13.0	---	---
Base Number (BN) mg KOH/g	ASTM D2896 9.4	11.54	---	---



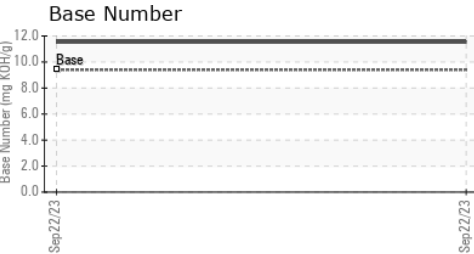
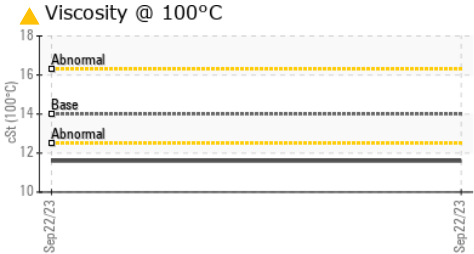
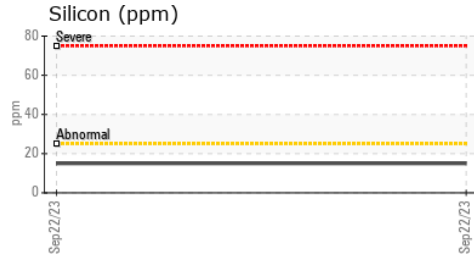
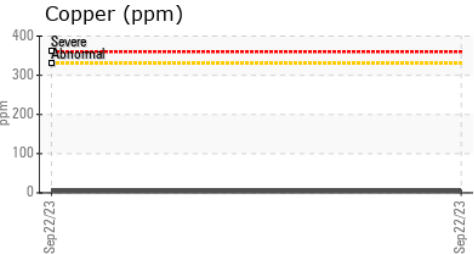
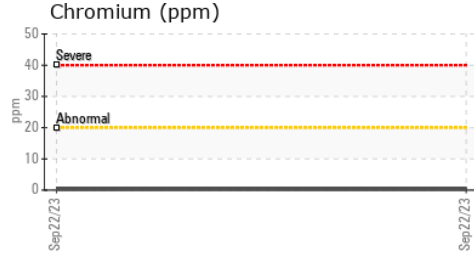
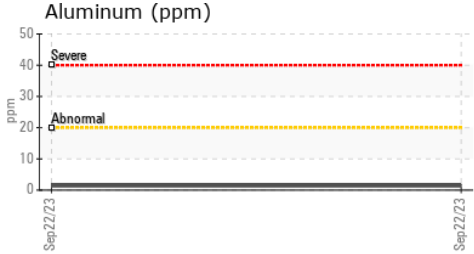
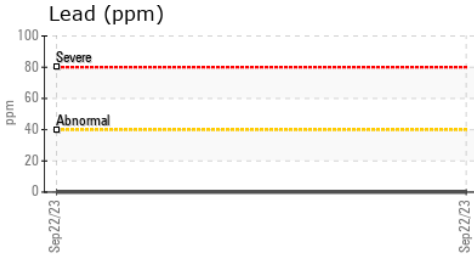
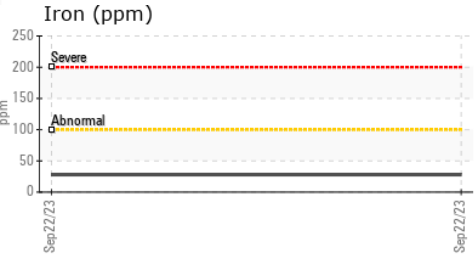
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	14	▲ 11.6	---

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RW0002960 **Received** : 02 Nov 2023
Lab Number : 05997489 **Diagnosed** : 06 Nov 2023
Unique Number : 10725849 **Diagnostician** : Don Baldrige
Test Package : MOB 2 (Additional Tests: FuelDilution, PercentFuel)

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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)