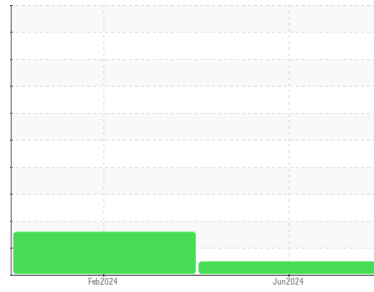


# OIL ANALYSIS REPORT

Area  
**MIXERS**  
 Machine Id  
**[MIXERS] M216**  
 Component  
**Diesel Engine**  
 Fluid  
**KENDALL 15W40 (--- GAL)**

### Sample Rating Trend



## DIAGNOSIS

**Recommendation**  
 Resample at the next service interval to monitor.

**Wear**  
 All component wear rates are normal.

**Contamination**  
 There is no indication of any contamination in the oil.

**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.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0098496</b>	PCA0110022	---
Sample Date	Client Info		<b>24 Jun 2024</b>	14 Feb 2024	---
Machine Age	hrs	Client Info	<b>19994</b>	20087	---
Oil Age	hrs	Client Info	<b>600</b>	600	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>NORMAL</b>	ABNORMAL	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<b>&lt;1.0</b>	<1.0	---
Water	WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol	WC Method		<b>NEG</b>	NEG	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >100	<b>22</b>	40	---
Chromium	ppm	ASTM D5185m >20	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m >4	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	1	---
Silver	ppm	ASTM D5185m >3	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m >20	<b>3</b>	2	---
Lead	ppm	ASTM D5185m >40	<b>0</b>	1	---
Copper	ppm	ASTM D5185m >330	<b>5</b>	10	---
Tin	ppm	ASTM D5185m >15	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 6.3	<b>42</b>	40	---
Barium	ppm	ASTM D5185m 0.6	<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185m 0.4	<b>85</b>	85	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m 277	<b>48</b>	133	---
Calcium	ppm	ASTM D5185m 1514	<b>2272</b>	1876	---
Phosphorus	ppm	ASTM D5185m 634	<b>1030</b>	932	---
Zinc	ppm	ASTM D5185m 743	<b>1254</b>	1126	---
Sulfur	ppm	ASTM D5185m 2592	<b>4096</b>	3298	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>14</b>	▲ 50	---
Sodium	ppm	ASTM D5185m	<b>2</b>	1	---
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	3	---

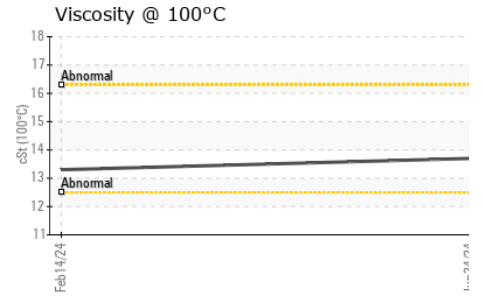
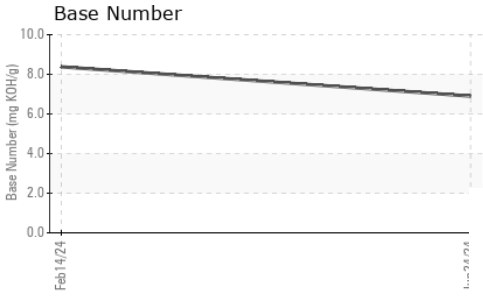
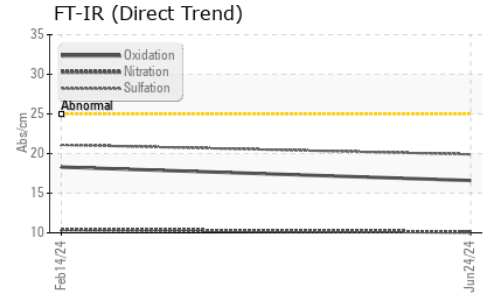
## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.3</b>	0.5	---
Nitration	Abs/cm	*ASTM D7624 >20	<b>10.1</b>	10.4	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>19.9</b>	21.1	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>16.6</b>	18.3	---
Base Number (BN)	mg KOH/g	ASTM D2896	<b>6.9</b>	8.38	---

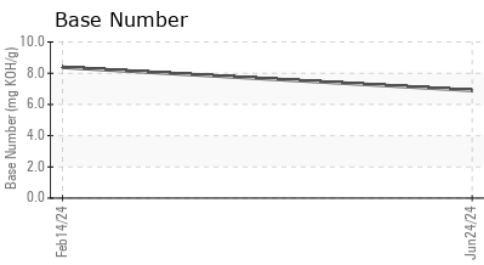
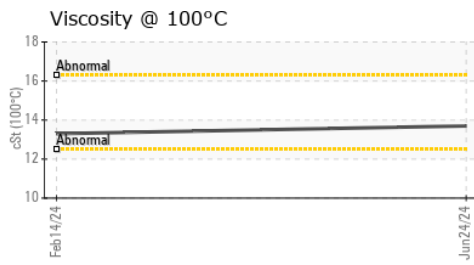
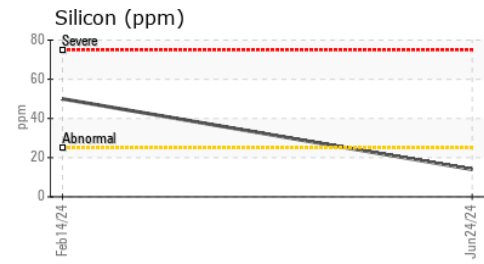
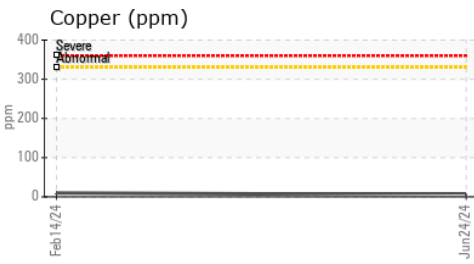
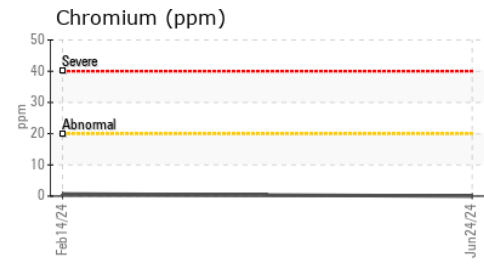
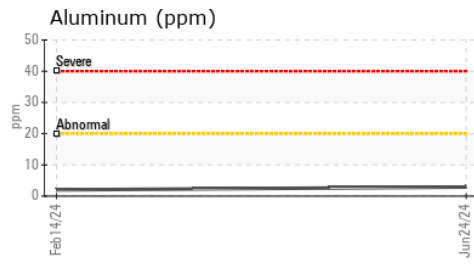
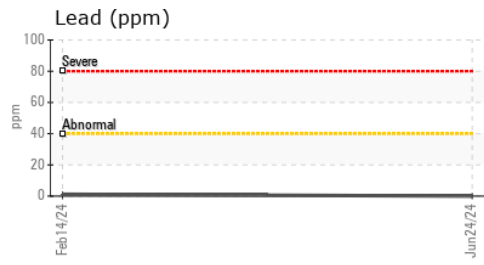
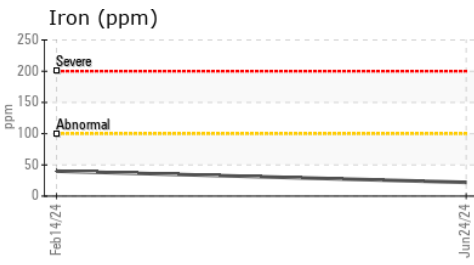
# OIL ANALYSIS REPORT



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	LIGHT
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	<b>13.7</b>	13.3	---

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0098496      **Received** : 01 Jul 2024  
**Lab Number** : **06225576**      **Tested** : 03 Jul 2024  
**Unique Number** : 11103773      **Diagnosed** : 03 Jul 2024 - Wes Davis  
**Test Package** : MOB 2

**CONSTRUCTION SERVICES**  
 2420 BOSTON RD  
 WILBRAHAM, MA  
 US 01095  
 Contact: Michael Dupuis  
 mdupuis@cs-ma.us  
 T: (413)733-6331  
 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)