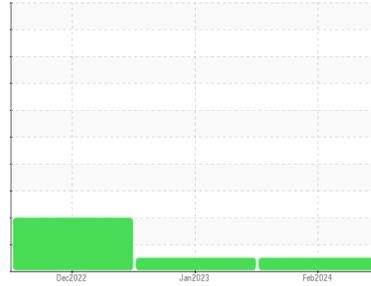


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**TRACTORS**  
Machine Id  
**[TRACTORS] TR375**  
Component  
**Diesel Engine**  
Fluid  
**KENDALL 15W40 (--- GAL)**

## 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>PCA0110027</b>	WC0721404	WC0721400
Sample Date	Client Info			<b>14 Feb 2024</b>	23 Jan 2023	20 Dec 2022
Machine Age	hrs	Client Info		<b>3435</b>	1697	1738
Oil Age	hrs	Client Info		<b>600</b>	100	600
Oil Changed	Client Info			<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

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

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>110	<b>22</b>	13	26
Chromium	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>1</b>	1	1
Silver	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>13</b>	6	▲ 33
Lead	ppm	ASTM D5185m	>45	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>85	<b>2</b>	2	11
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

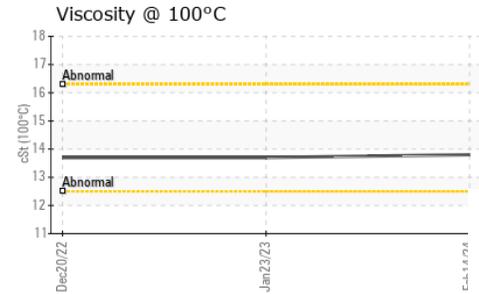
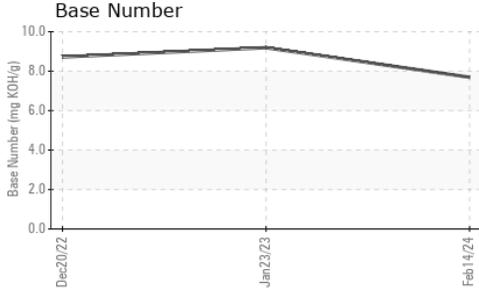
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6.3	<b>19</b>	43	9
Barium	ppm	ASTM D5185m	0.6	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	0.4	<b>82</b>	69	56
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	277	<b>132</b>	469	904
Calcium	ppm	ASTM D5185m	1514	<b>1950</b>	1532	1140
Phosphorus	ppm	ASTM D5185m	634	<b>1026</b>	966	1015
Zinc	ppm	ASTM D5185m	743	<b>1115</b>	1135	1207
Sulfur	ppm	ASTM D5185m	2592	<b>3742</b>	3076	3157

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	<b>11</b>	7	10
Sodium	ppm	ASTM D5185m		<b>0</b>	3	12
Potassium	ppm	ASTM D5185m	>20	<b>29</b>	14	▲ 76

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>0.3</b>	0.1	0.3
Nitration	Abs/cm	*ASTM D7624	>20	<b>10.5</b>	6.9	10.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>22.0</b>	17.5	22.2

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>17.1</b>	13.0	18.1
Base Number (BN)	mg KOH/g	ASTM D2896		<b>7.69</b>	9.19	8.72

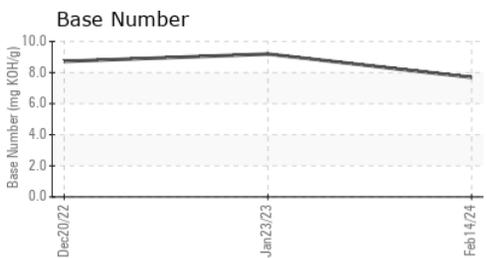
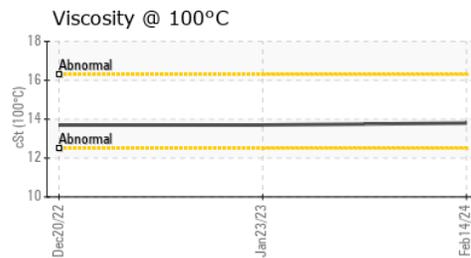
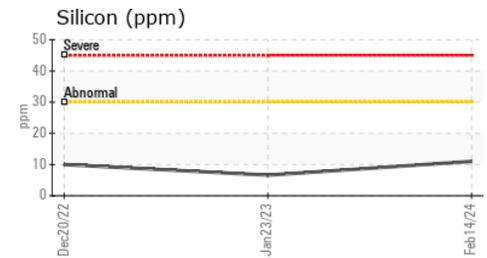
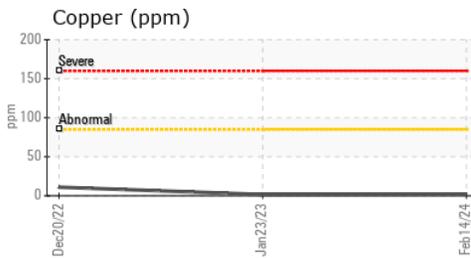
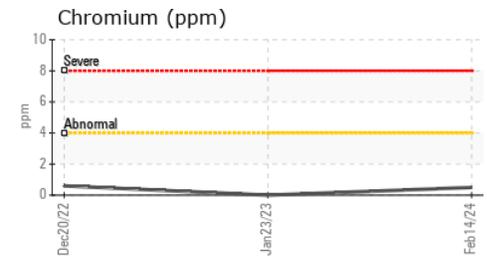
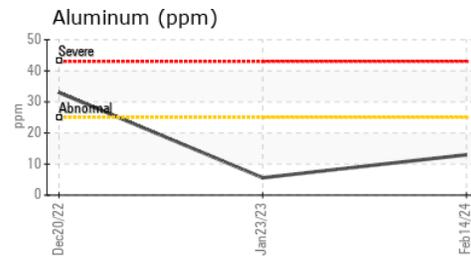
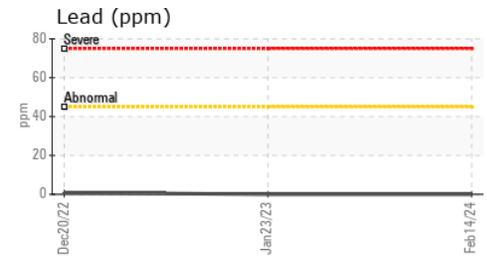
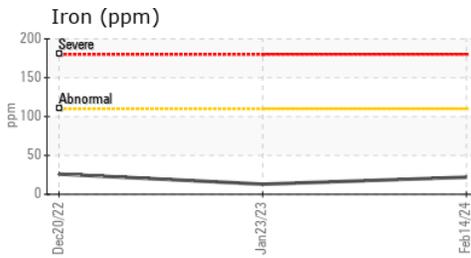
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
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
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	<b>13.8</b>	13.7	13.7

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0110027      **Received** : 21 Feb 2024  
**Lab Number** : 06096400      **Tested** : 22 Feb 2024  
**Unique Number** : 10889253      **Diagnosed** : 22 Feb 2024 - Wes Davis  
**Test Package** : MOB 2

**CONSTRUCTION SERVICES**  
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 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)