

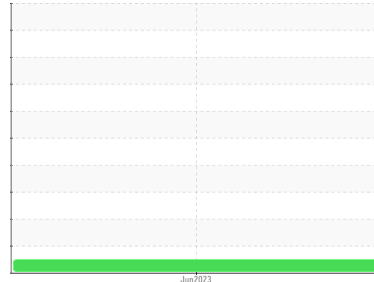
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**CHICAGO 95TH**  
Machine Id  
**JOHN DEERE 744J L-74 (S/N DW744JX596276)**  
Component  
**Diesel Engine**  
Fluid  
**NAPA Motor Oil 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>PCA0097258</b>	---	---
Sample Date	Client Info	<b>28 Jun 2023</b>	---	---
Machine Age	hrs Client Info	<b>0</b>	---	---
Oil Age	hrs Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

## CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method >2.1	<b>&lt;1.0</b>	---	---
Glycol	WC Method	<b>NEG</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >51	<b>6</b>	---	---
Chromium	ppm ASTM D5185m >11	<b>&lt;1</b>	---	---
Nickel	ppm ASTM D5185m >5	<b>0</b>	---	---
Titanium	ppm ASTM D5185m	<b>4</b>	---	---
Silver	ppm ASTM D5185m >3	<b>0</b>	---	---
Aluminum	ppm ASTM D5185m >31	<b>&lt;1</b>	---	---
Lead	ppm ASTM D5185m >26	<b>2</b>	---	---
Copper	ppm ASTM D5185m >26	<b>4</b>	---	---
Tin	ppm ASTM D5185m >4	<b>1</b>	---	---
Vanadium	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Cadmium	ppm ASTM D5185m	<b>&lt;1</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>11</b>	---	---
Barium	ppm ASTM D5185m	<b>0</b>	---	---
Molybdenum	ppm ASTM D5185m	<b>46</b>	---	---
Manganese	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Magnesium	ppm ASTM D5185m	<b>790</b>	---	---
Calcium	ppm ASTM D5185m	<b>1339</b>	---	---
Phosphorus	ppm ASTM D5185m	<b>1006</b>	---	---
Zinc	ppm ASTM D5185m	<b>1241</b>	---	---
Sulfur	ppm ASTM D5185m	<b>3793</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >22	<b>4</b>	---	---
Sodium	ppm ASTM D5185m >31	<b>2</b>	---	---
Potassium	ppm ASTM D5185m >20	<b>4</b>	---	---

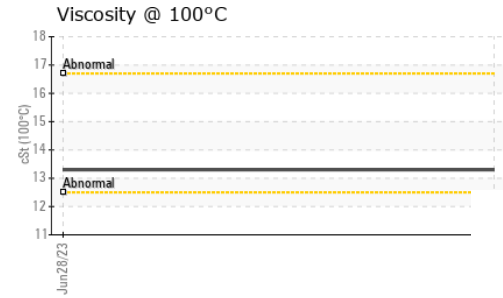
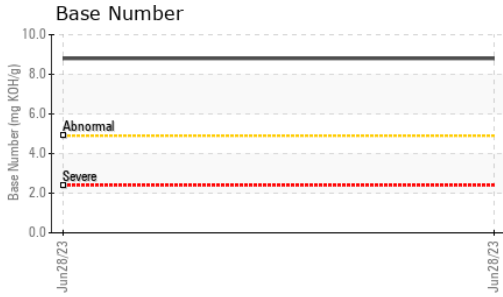
## INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	<b>0.2</b>	---	---
Nitration	Abs/cm *ASTM D7624 >20	<b>5.2</b>	---	---
Sulfation	Abs/.1mm *ASTM D7415 >30	<b>17.3</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	<b>12.3</b>	---	---
Base Number (BN)	mg KOH/g ASTM D2896	<b>8.8</b>	---	---

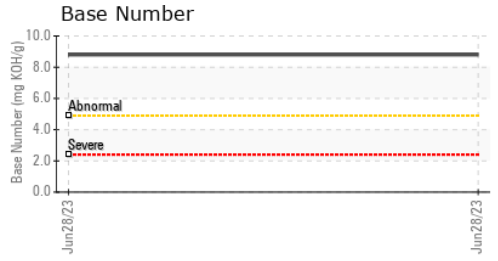
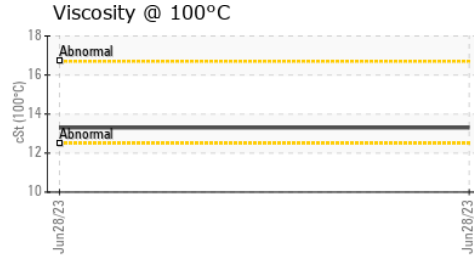
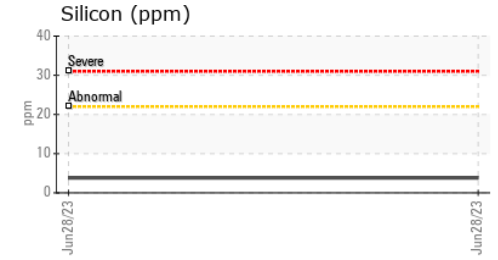
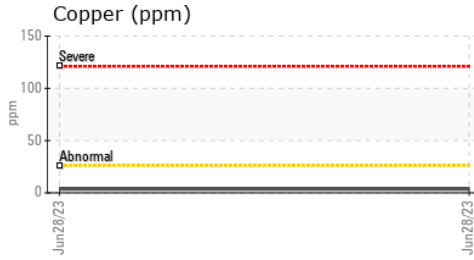
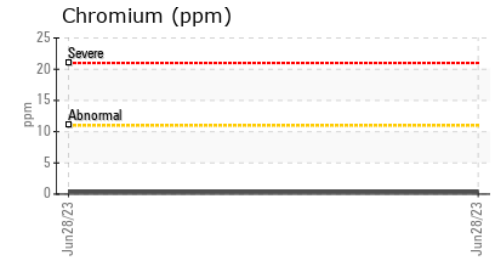
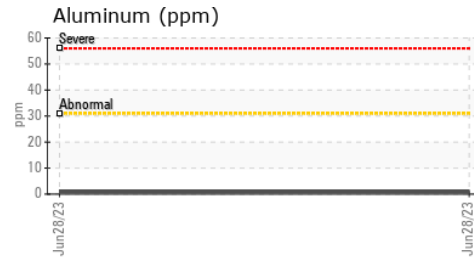
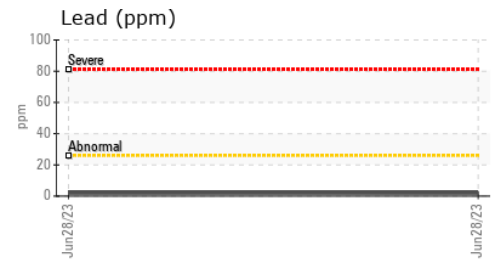
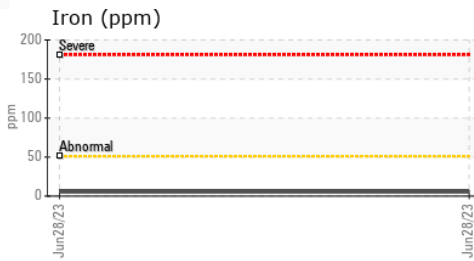
# OIL ANALYSIS REPORT



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	>0.21	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	13.3	---	---

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0097258 **Received** : 29 Aug 2023  
**Lab Number** : 05936948 **Diagnosed** : 29 Aug 2023  
**Unique Number** : 10622219 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: TBN )

**NORTH AMERICAN STEVEDORING CO**  
 9301 S KREITER AVE  
 CHICAGO, IL  
 US 60617  
 Contact: PACO MARTINEZ  
 paco.martinez@qsl.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: