



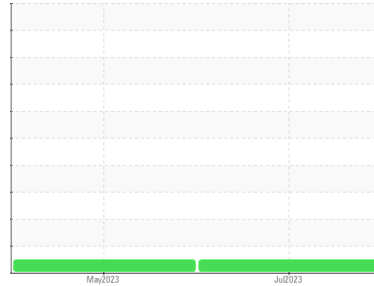
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**CATERPILLAR SN12-PP**  
 Component  
**Hydraulic System**  
 Fluid  
**AMSOIL ISO 68 (--- 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 condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>AO0000038</b>	AO0000202	---
Sample Date	Client Info		<b>12 Jul 2023</b>	19 May 2023	---
Machine Age	hrs	Client Info	<b>3965</b>	2935	---
Oil Age	hrs	Client Info	<b>405</b>	2935	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	<b>5</b>	8	---
Chromium	ppm	ASTM D5185m >10	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m >10	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m	<b>0</b>	0	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m >75	<b>2</b>	10	---
Tin	ppm	ASTM D5185m >10	<b>0</b>	1	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Barium	ppm	ASTM D5185m	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	<b>45</b>	56	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m	<b>0</b>	<1	---
Calcium	ppm	ASTM D5185m	<b>30</b>	36	---
Phosphorus	ppm	ASTM D5185m	<b>419</b>	452	---
Zinc	ppm	ASTM D5185m	<b>462</b>	476	---
Sulfur	ppm	ASTM D5185m	<b>2534</b>	2981	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>4</b>	2	---
Sodium	ppm	ASTM D5185m	<b>7</b>	5	---
Potassium	ppm	ASTM D5185m >20	<b>2</b>	2	---

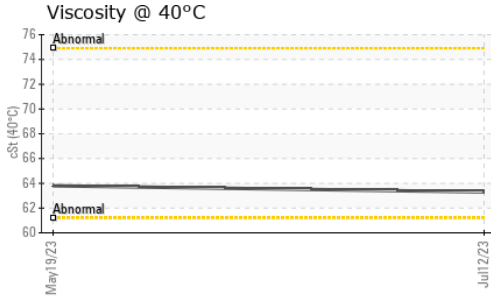
## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual NONE	<b>LIGHT</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 >0.1	<b>NEG</b>	NEG	---
Free Water	scalar	*Visual	<b>NEG</b>	NEG	---

## FLUID PROPERTIES

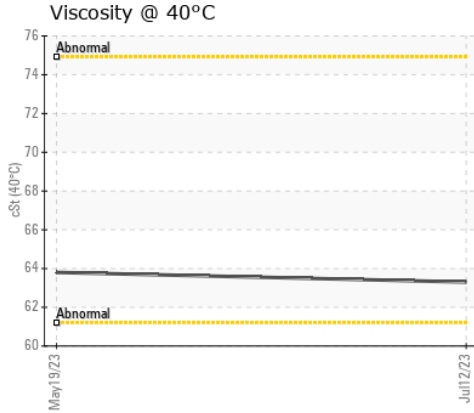
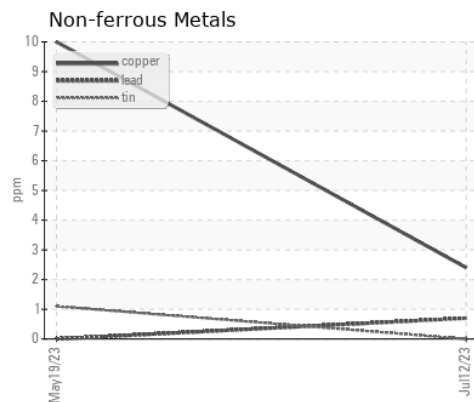
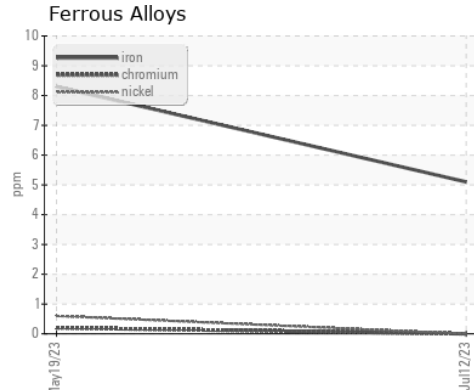
	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>63.3</b>	63.8	---

# OIL ANALYSIS REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : AO0000038     **Received** : 19 Jul 2023  
**Lab Number** : 05902685     **Diagnosed** : 20 Jul 2023  
**Unique Number** : 10564041     **Diagnostician** : Wes Davis  
**Test Package** : FLEET

**DEEP WELL SERVICES**  
 10218 WEST CR 148  
 MIDLAND, TX  
 US 79706  
 Contact: ADRIAN GARCIA  
 agarcia@deepwellservices.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)

T:  
F: