

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Area
EXCAVATOR
Machine Id
CATERPILLAR 325F 2448
Component
Pump Drive
Fluid
NOT GIVEN (--- GAL)



DIAGNOSIS

Recommendation

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Wear

Bearing and/or bushing wear is indicated.

Contamination

Moderate concentration of visible dirt/debris present 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		PCA0064440	---	---
Sample Date	Client Info		23 Aug 2023	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	5971	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			SEVERE	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	229	---
Chromium	ppm	ASTM D5185m	>15	1	---
Nickel	ppm	ASTM D5185m	>10	<1	---
Titanium	ppm	ASTM D5185m		<1	---
Silver	ppm	ASTM D5185m		0	---
Aluminum	ppm	ASTM D5185m	>20	<1	---
Lead	ppm	ASTM D5185m		4	---
Copper	ppm	ASTM D5185m	>35	323	---
Tin	ppm	ASTM D5185m	>4	2	---
Vanadium	ppm	ASTM D5185m		<1	---
Cadmium	ppm	ASTM D5185m		<1	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		186	---
Barium	ppm	ASTM D5185m		4	---
Molybdenum	ppm	ASTM D5185m		45	---
Manganese	ppm	ASTM D5185m		6	---
Magnesium	ppm	ASTM D5185m		422	---
Calcium	ppm	ASTM D5185m		1513	---
Phosphorus	ppm	ASTM D5185m		784	---
Zinc	ppm	ASTM D5185m		939	---
Sulfur	ppm	ASTM D5185m		3987	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	13	---
Sodium	ppm	ASTM D5185m		15	---
Potassium	ppm	ASTM D5185m	>20	9	---

VISUAL

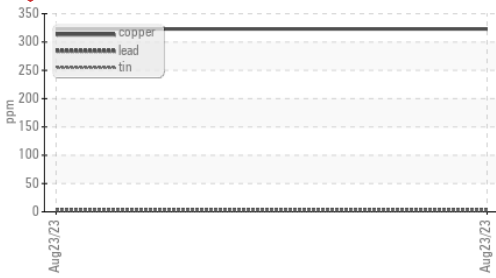
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	MODER	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	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 @ 40°C	cSt	ASTM D445		60.0	---

OIL ANALYSIS REPORT

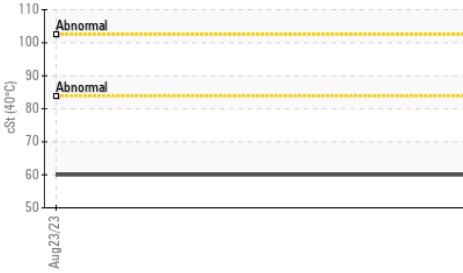
Non-ferrous Metals



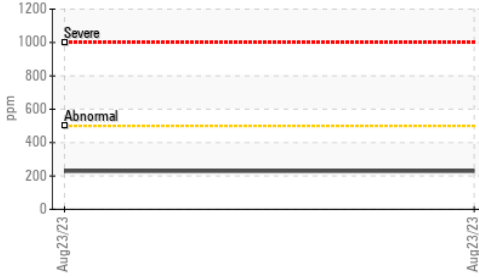
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS

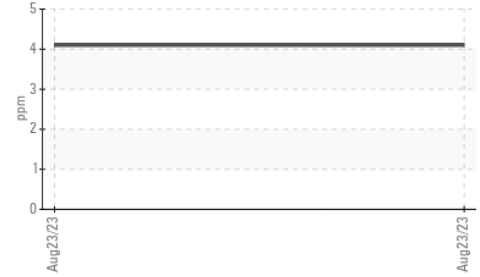
Viscosity @ 40°C



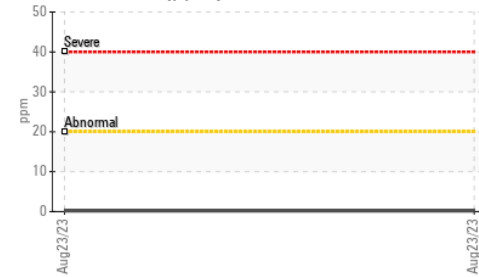
Iron (ppm)



Lead (ppm)



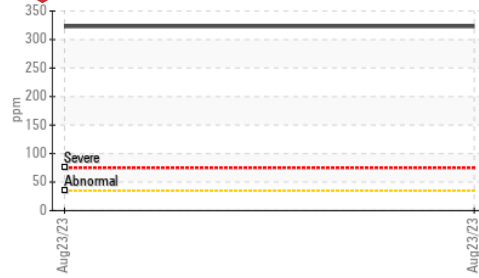
Aluminum (ppm)



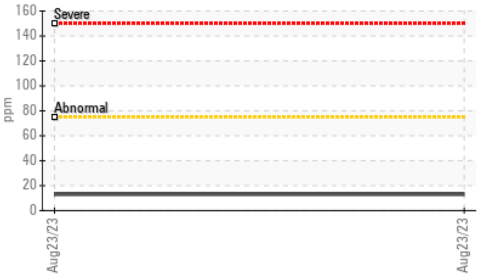
Chromium (ppm)



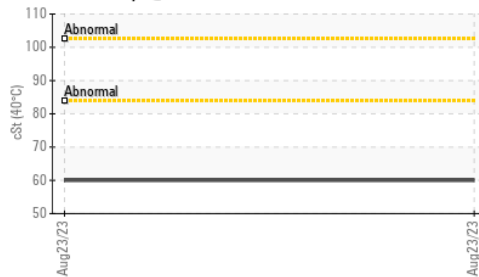
Copper (ppm)



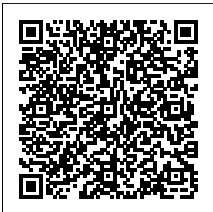
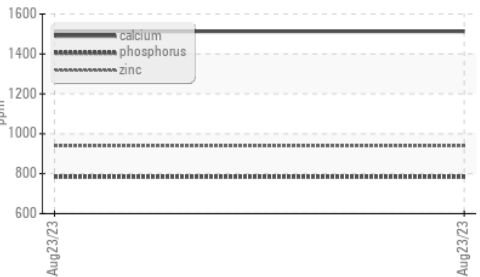
Silicon (ppm)



Viscosity @ 40°C



Additives



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0064440 **Received** : 28 Aug 2023
Lab Number : 05936848 **Diagnosed** : 31 Aug 2023
Unique Number : 10622119 **Diagnostician** : Don Baldrige
Test Package : MOB 1

D-CONSTRUCTION
 1488 S BROADWAY
 COAL CITY, IL
 US 60416
 Contact: MICHAEL MCKEE
 m.mckee@dconstruction.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: