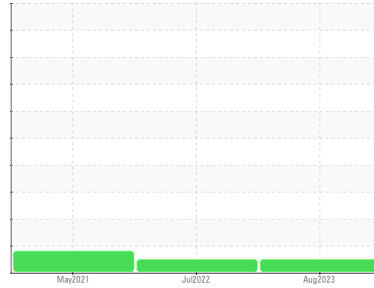




OIL ANALYSIS REPORT

Area
CONSTRUCTORS, INC
 Machine Id
CATERPILLAR 131708
 Component
Rear Left Final Drive
 Fluid
MOBIL DELVAC 1 SYNTHETIC GEAR SAE 75W90 (--- GAL)

Sample Rating Trend



NORMAL



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		SBP0004750	SBP0001457	SBP39168001
Sample Date	Client Info		11 Aug 2023	22 Jul 2022	17 May 2021
Machine Age	hrs	Client Info	2831	1717	564
Oil Age	hrs	Client Info	1114	573	564
Oil Changed	Client Info		N/A	N/A	Changed
Sample Status			NORMAL	NORMAL	SEVERE

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >800	103	8	102
Chromium	ppm	ASTM D5185m >10	<1	0	1
Nickel	ppm	ASTM D5185m >5	0	0	0
Titanium	ppm	ASTM D5185m >15	<1	0	0
Silver	ppm	ASTM D5185m >2	0	<1	0
Aluminum	ppm	ASTM D5185m >75	1	<1	3
Lead	ppm	ASTM D5185m >10	<1	<1	0
Copper	ppm	ASTM D5185m >75	18	3	25
Tin	ppm	ASTM D5185m >8	<1	0	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	55	8	27
Barium	ppm	ASTM D5185m	0	0	4
Molybdenum	ppm	ASTM D5185m	<1	1	0
Manganese	ppm	ASTM D5185m	2	0	0
Magnesium	ppm	ASTM D5185m	9	8	5
Calcium	ppm	ASTM D5185m	24	364	24
Phosphorus	ppm	ASTM D5185m	951	443	364
Zinc	ppm	ASTM D5185m	30	524	22
Sulfur	ppm	ASTM D5185m	18413	1837	---

CONTAMINANTS

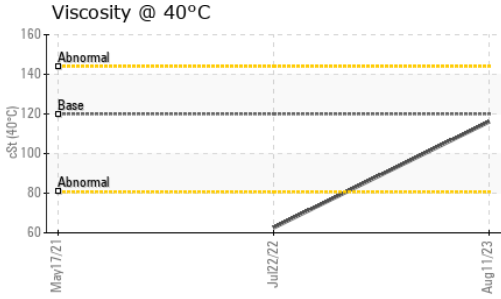
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >400	5	5	14
Sodium	ppm	ASTM D5185m	0	<1	2
Potassium	ppm	ASTM D5185m >20	1	0	2
Chlorine	ppm	ASTM D5185m	---	---	0

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	---



OIL ANALYSIS REPORT

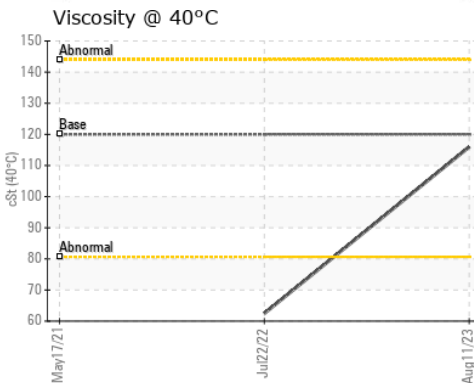
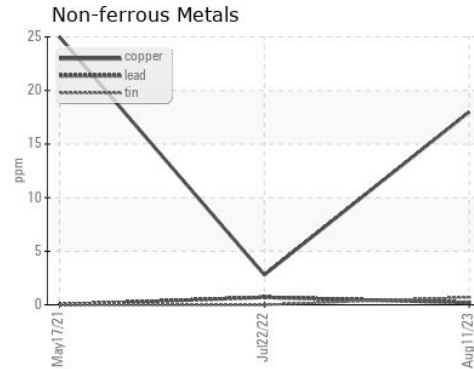
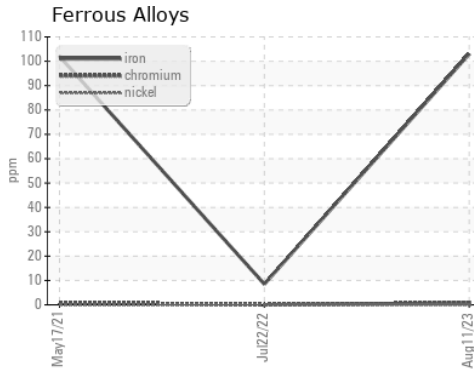


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	120	116	62.5	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
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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. : SBP0004750 **Received** : 14 Aug 2023
Lab Number : **05924542** **Diagnosed** : 15 Aug 2023
Unique Number : 10604489 **Diagnostician** : Sean Felton
Test Package : FLEET

Constructors Inc. - 603659
 1815 Y Street
 Lincoln, NE
 US 68508

Contact: Jack Linhart
 jackl@constructorslincoln.com
 T: (402)434-2157
 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)