

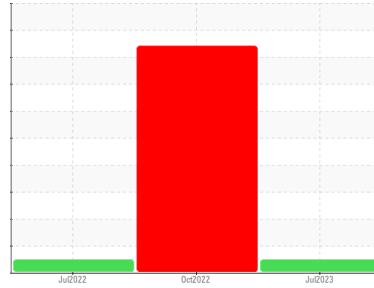


OIL ANALYSIS REPORT



Area
CONSTRUCTORS, INC
 Machine Id
CATERPILLAR 1717
 Component
Right Conveyor
 Fluid
MOBIL MOBILUBE HD 85W140 (--- 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		SBP0004549	SBP0002078	SBP0001463
Sample Date	Client Info		14 Jul 2023	10 Oct 2022	22 Jul 2022
Machine Age	hrs	Client Info	8806	7957	7333
Oil Age	hrs	Client Info	849	624	517
Oil Changed	Client Info		N/A	Changed	Changed
Sample Status			NORMAL	SEVERE	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >150	39	1793	41
Chromium	ppm	ASTM D5185m >10	<1	18	<1
Nickel	ppm	ASTM D5185m >10	0	0	0
Titanium	ppm	ASTM D5185m	0	<1	0
Silver	ppm	ASTM D5185m	0	0	<1
Aluminum	ppm	ASTM D5185m >25	<1	6	<1
Lead	ppm	ASTM D5185m >100	0	<1	<1
Copper	ppm	ASTM D5185m >50	<1	3	<1
Tin	ppm	ASTM D5185m >10	0	0	<1
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	<1	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	193	241	315
Barium	ppm	ASTM D5185m	0	1	0
Molybdenum	ppm	ASTM D5185m	3	12	3
Manganese	ppm	ASTM D5185m	<1	13	1
Magnesium	ppm	ASTM D5185m	2	2	2
Calcium	ppm	ASTM D5185m	67	59	7
Phosphorus	ppm	ASTM D5185m	1021	864	1740
Zinc	ppm	ASTM D5185m	42	28	20
Sulfur	ppm	ASTM D5185m	30208	22550	25056

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	4	32	3
Sodium	ppm	ASTM D5185m	0	0	<1
Potassium	ppm	ASTM D5185m >20	<1	3	<1

VISUAL

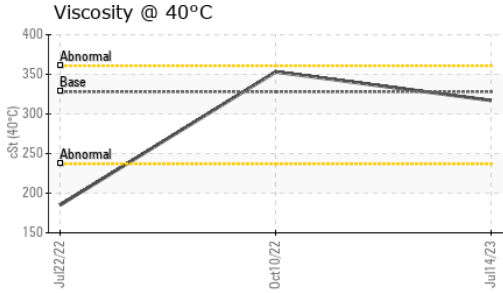
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	NONE	NONE	NONE
Debris	scalar	*Visual NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	NONE
Appearance	scalar	*Visual NORML	NORML	NORML	NORML
Odor	scalar	*Visual NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual >0.1	NEG	0.2%	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 328	317	353	185

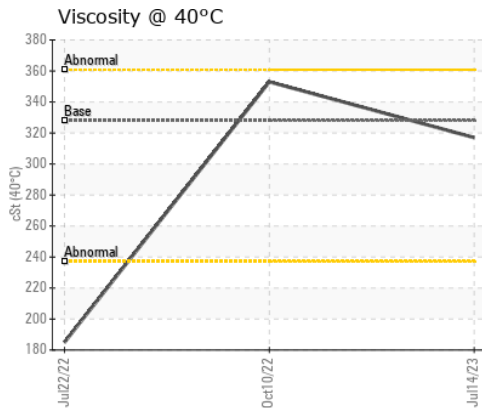
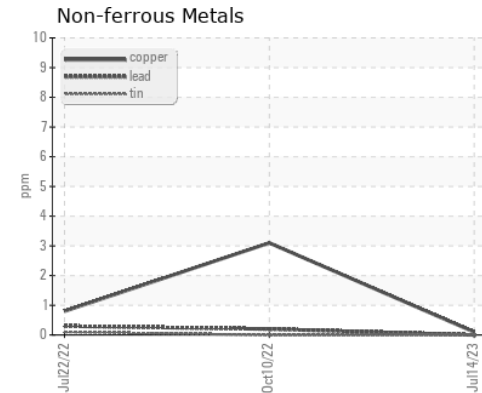
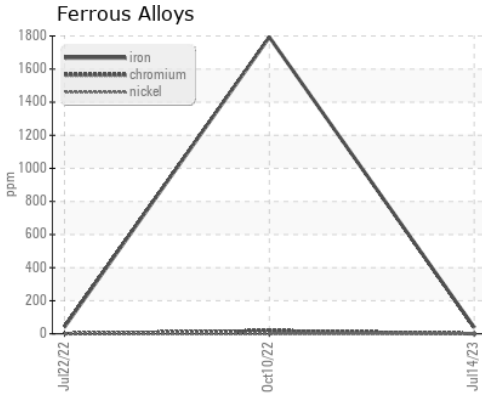


OIL ANALYSIS REPORT



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. : SBP0004549 **Received** : 17 Jul 2023
Lab Number : **05900823** **Diagnosed** : 19 Jul 2023
Unique Number : 10562179 **Diagnostician** : Doug Bogart
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)