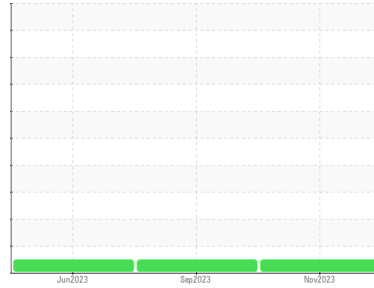


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
CRUSHER 2
Component
Gearbox
Fluid
GEAR OIL ISO 150 (50 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PCA0100178	PCA0100176	PCA0100179
Sample Date	Client Info			09 Nov 2023	08 Sep 2023	16 Jun 2023
Machine Age	hrs	Client Info		35040	35040	35040
Oil Age	hrs	Client Info		35040	35040	960
Oil Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	24	41	36
Chromium	ppm	ASTM D5185m	>15	0	0	0
Nickel	ppm	ASTM D5185m	>15	<1	1	1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	8	13	6
Lead	ppm	ASTM D5185m	>100	31	34	27
Copper	ppm	ASTM D5185m	>200	106	173	155
Tin	ppm	ASTM D5185m	>25	7	14	12
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0

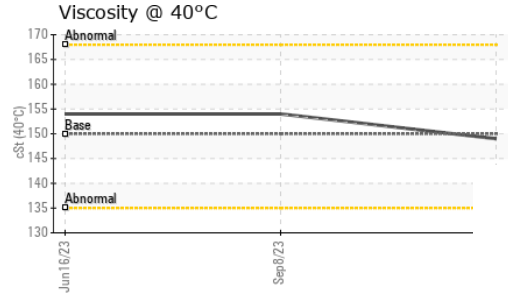
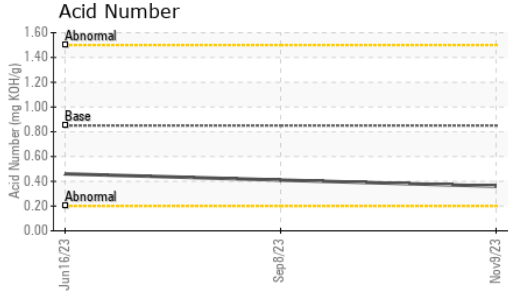
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	21	52	76
Barium	ppm	ASTM D5185m	15	0	0	2
Molybdenum	ppm	ASTM D5185m	15	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	50	102	0	<1
Calcium	ppm	ASTM D5185m	50	129	2	3
Phosphorus	ppm	ASTM D5185m	350	290	242	282
Zinc	ppm	ASTM D5185m	100	102	0	1
Sulfur	ppm	ASTM D5185m	12500	5851	6380	5775

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	29	47	34
Sodium	ppm	ASTM D5185m		4	4	<1
Potassium	ppm	ASTM D5185m	>20	2	7	4

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.36	0.41	0.46

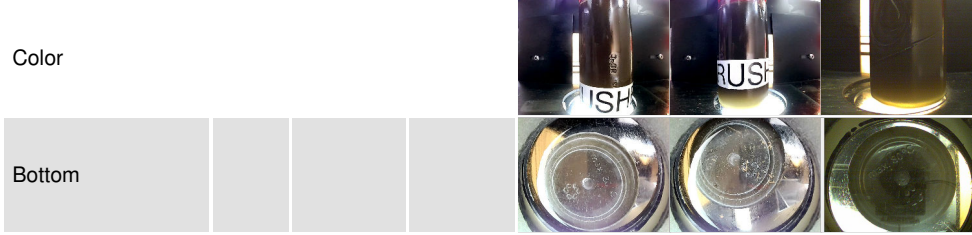
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

OIL ANALYSIS REPORT

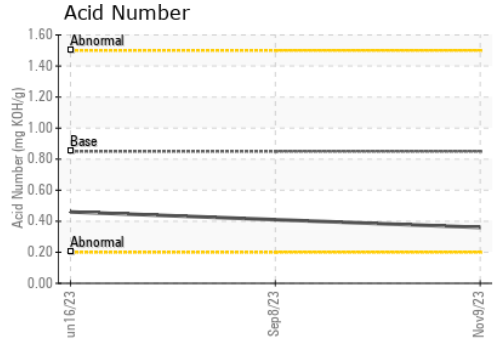
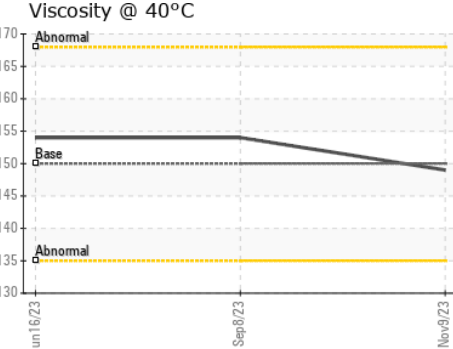
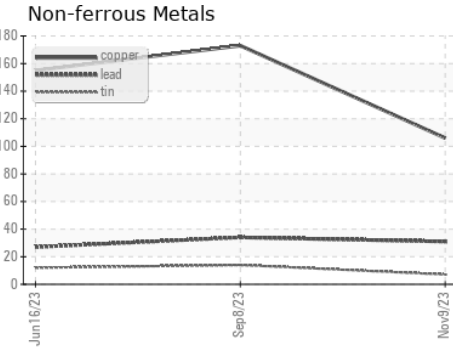
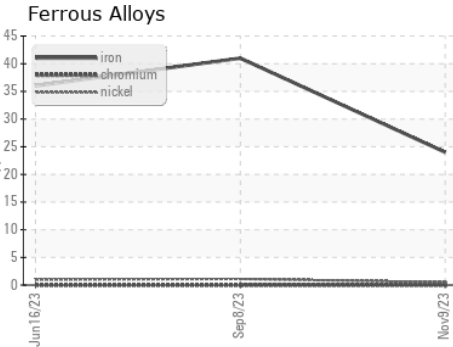


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	150	149	154	154

SAMPLE IMAGES		method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0100178 **Received** : 13 Nov 2023
Lab Number : **06006434** **Diagnosed** : 15 Nov 2023
Unique Number : 10740196 **Diagnostician** : Angela Borella
Test Package : IND 2

Certainteed - Saint Gobain
 1064 PLEASANT ST
 NORWOOD, MA
 US 02062
 Contact: Robert Jaruse
 robert.jaruse@saint-gobain.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: