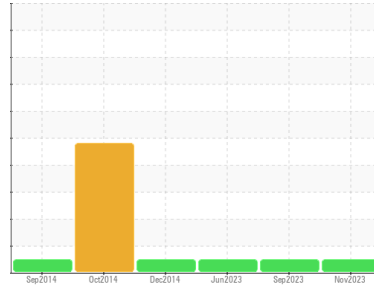


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
CRUSHER 1 (S/N 129610)

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		PCA0100177	PCA0100175	PCA0100174
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	19	32	24
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	<1	0	0
Aluminum	ppm	ASTM D5185m >25	6	4	4
Lead	ppm	ASTM D5185m >100	22	25	15
Copper	ppm	ASTM D5185m >200	91	152	107
Tin	ppm	ASTM D5185m >25	6	11	8
Antimony	ppm	ASTM D5185m >5	---	---	---
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	15	50	72
Barium	ppm	ASTM D5185m 15	0	0	2
Molybdenum	ppm	ASTM D5185m 15	0	<1	0
Manganese	ppm	ASTM D5185m	0	<1	0
Magnesium	ppm	ASTM D5185m 50	206	2	1
Calcium	ppm	ASTM D5185m 50	246	11	2
Phosphorus	ppm	ASTM D5185m 350	386	266	273
Zinc	ppm	ASTM D5185m 100	246	0	4
Sulfur	ppm	ASTM D5185m 12500	5298	6066	5495

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	23	24	24
Sodium	ppm	ASTM D5185m	4	2	0
Potassium	ppm	ASTM D5185m >20	1	3	2

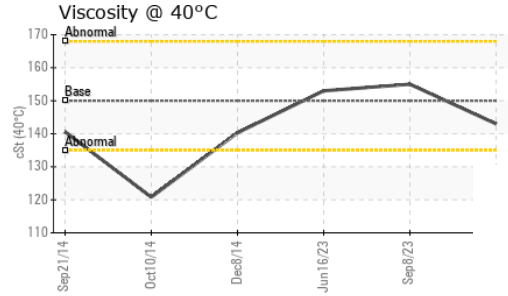
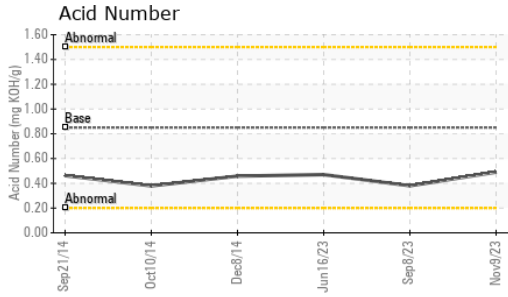
FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.85	0.49	0.38	0.47



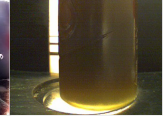

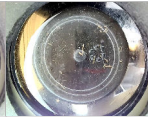
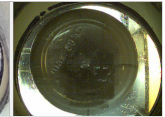
VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	LIGHT	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

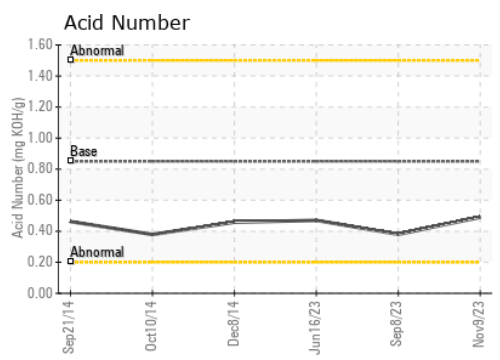
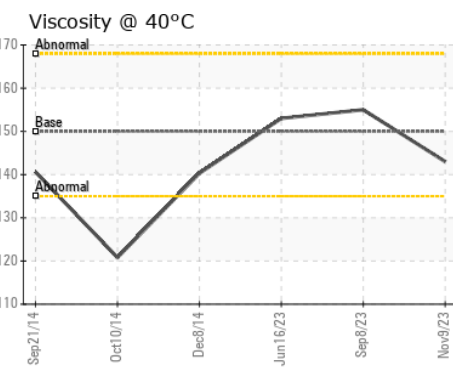
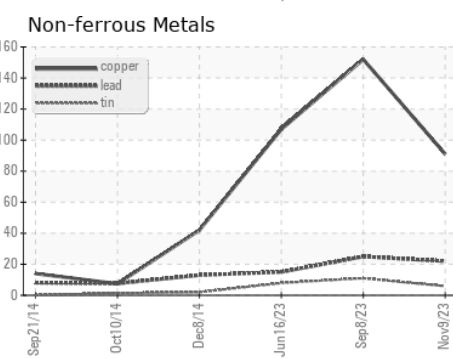
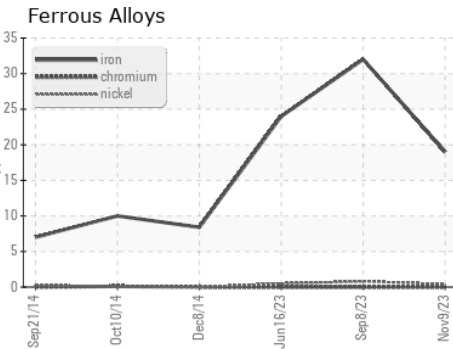
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	150	143	155	153

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0100177 **Received** : 13 Nov 2023
Lab Number : 06006433 **Diagnosed** : 15 Nov 2023
Unique Number : 10740195 **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
 T:
 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)