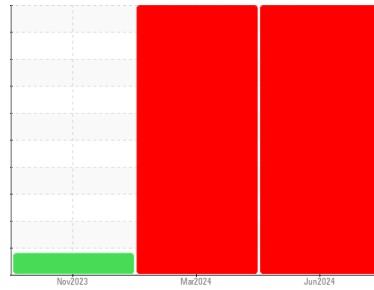


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
648
 Component
Rear Differential
 Fluid
{not provided} (--- GAL)

DIAGNOSIS

▲ Recommendation
 The oil change at the time of sampling has been noted. 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. Moderate concentration of visible metal present.

Contamination
 There is no indication of any contamination in the oil.

Fluid Condition
 The oil is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0127664	PCA0096402	PCA0096383
Sample Date	Client Info	19 Jun 2024	12 Mar 2024	13 Nov 2023
Machine Age	hrs	20591	20152	19585
Oil Age	hrs	439	567	2000
Oil Changed	Client Info	Changed	Changed	Changed
Sample Status		SEVERE	SEVERE	ABNORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >.2	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >500	33	15	16
Chromium	ppm ASTM D5185m >10	0	<1	<1
Nickel	ppm ASTM D5185m >10	0	0	<1
Titanium	ppm ASTM D5185m	0	0	<1
Silver	ppm ASTM D5185m	0	0	2
Aluminum	ppm ASTM D5185m >25	1	2	<1
Lead	ppm ASTM D5185m >25	▲ 84	▲ 31	▲ 79
Copper	ppm ASTM D5185m >100	▲ 713	▲ 286	32
Tin	ppm ASTM D5185m >10	▲ 65	▲ 26	2
Vanadium	ppm ASTM D5185m	0	0	0
Cadmium	ppm ASTM D5185m	0	0	<1

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	82	87	25
Barium	ppm ASTM D5185m	0	0	1
Molybdenum	ppm ASTM D5185m	2	3	7
Manganese	ppm ASTM D5185m	<1	0	<1
Magnesium	ppm ASTM D5185m	64	61	132
Calcium	ppm ASTM D5185m	3129	2978	2694
Phosphorus	ppm ASTM D5185m	1146	1071	1044
Zinc	ppm ASTM D5185m	1301	1275	1141
Sulfur	ppm ASTM D5185m	3726	3801	3189

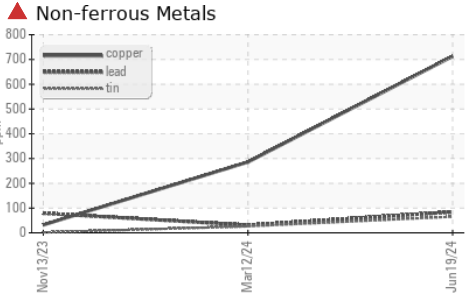
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >75	9	7	4
Sodium	ppm ASTM D5185m	3	1	1
Potassium	ppm ASTM D5185m >20	<1	1	2

VISUAL

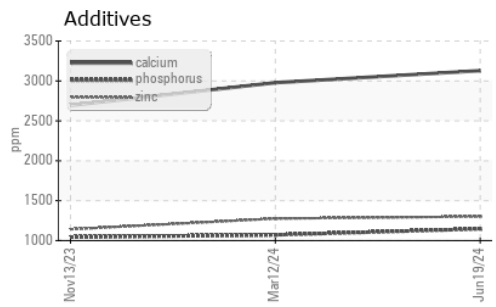
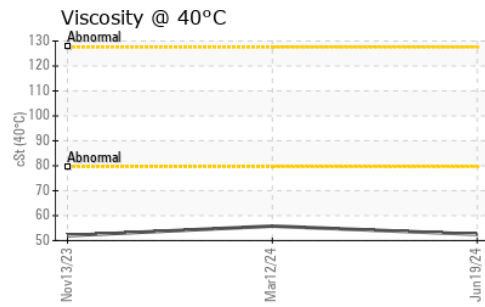
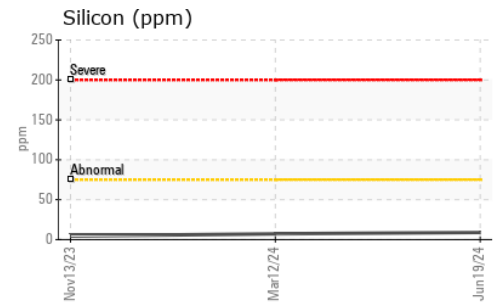
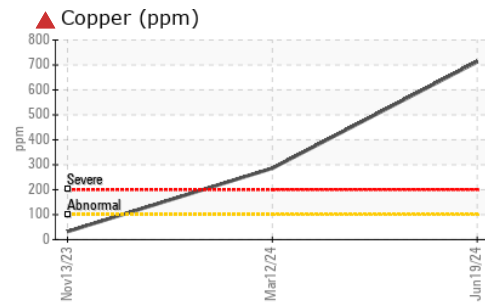
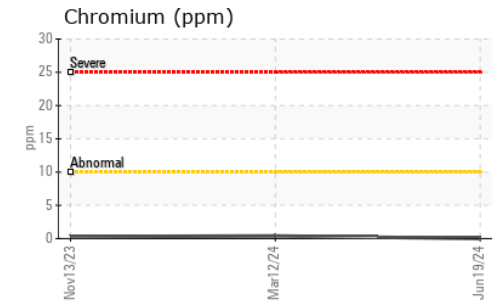
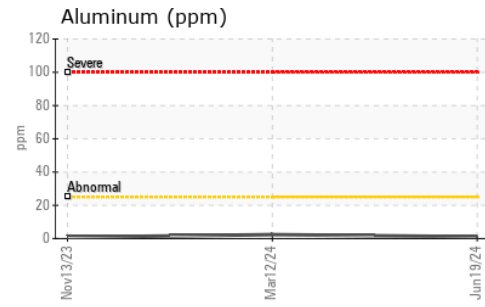
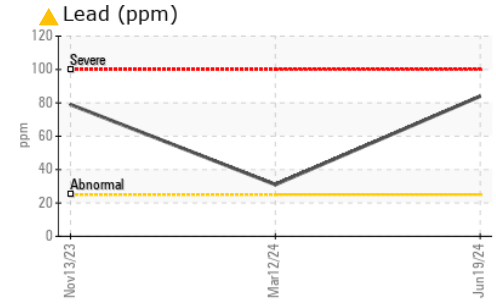
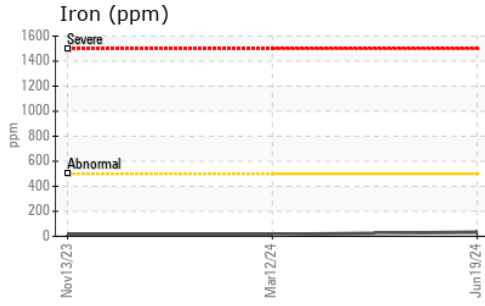
method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	NONE	NONE	NONE
Yellow Metal	scalar *Visual NONE	▲ MODER	NONE	NONE
Precipitate	scalar *Visual NONE	NONE	NONE	NONE
Silt	scalar *Visual NONE	MODER	NONE	NONE
Debris	scalar *Visual NONE	NONE	NONE	NONE
Sand/Dirt	scalar *Visual NONE	NONE	NONE	NONE
Appearance	scalar *Visual NORML	NORML	NORML	NORML
Odor	scalar *Visual NORML	NORML	NORML	NORML
Emulsified Water	scalar *Visual >.2	NEG	NEG	NEG
Free Water	scalar *Visual	NEG	NEG	NEG

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



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0127664 **Received** : 24 Jun 2024
Lab Number : 06218943 **Tested** : 25 Jun 2024
Unique Number : 11097140 **Diagnosed** : 26 Jun 2024 - Sean Felton
Test Package : MOB 1

CENTRAL VALLEY AG
 5707 LANGWORTH
 OAKDALE, CA
 US 95361
 Contact: LAB TECH
 m-labtech@outlook.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: