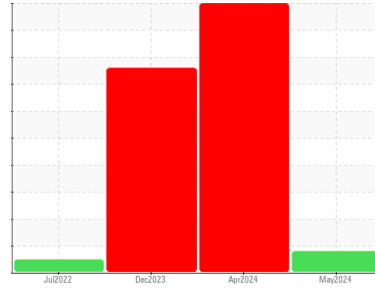




OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
040-R0006

Component
Right Final Drive

Fluid
SCHAEFFER SCHAEFFER 293 MOLY 75W90 (2 QTS)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: Right final drive sample)

Wear

Gear wear is indicated.

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		WC0903922	WC0903846	WC0868438
Sample Date	Client Info		11 May 2024	19 Apr 2024	21 Dec 2023
Machine Age	hrs	Client Info	7039	6945	6459
Oil Age	hrs	Client Info	4	6631	0
Oil Changed	Client Info		Changed	Changed	Not Chngd
Sample Status			ABNORMAL	SEVERE	SEVERE

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	▲ 933	▲ 3206	▲ 2762
Chromium	ppm	ASTM D5185m >10	10	▲ 32	▲ 22
Nickel	ppm	ASTM D5185m >10	<1	1	1
Titanium	ppm	ASTM D5185m	<1	1	1
Silver	ppm	ASTM D5185m	<1	0	0
Aluminum	ppm	ASTM D5185m >25	13	▲ 62	▲ 43
Lead	ppm	ASTM D5185m >25	<1	0	1
Copper	ppm	ASTM D5185m >50	4	11	13
Tin	ppm	ASTM D5185m >10	0	<1	0
Vanadium	ppm	ASTM D5185m	<1	<1	<1
Cadmium	ppm	ASTM D5185m	<1	<1	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	24	99	65
Barium	ppm	ASTM D5185m	<1	12	1
Molybdenum	ppm	ASTM D5185m	159	<1	2
Manganese	ppm	ASTM D5185m	7	23	18
Magnesium	ppm	ASTM D5185m	5	12	5
Calcium	ppm	ASTM D5185m	42	132	78
Phosphorus	ppm	ASTM D5185m	692	1261	1071
Zinc	ppm	ASTM D5185m	56	97	74
Sulfur	ppm	ASTM D5185m	16113	28725	24012

CONTAMINANTS

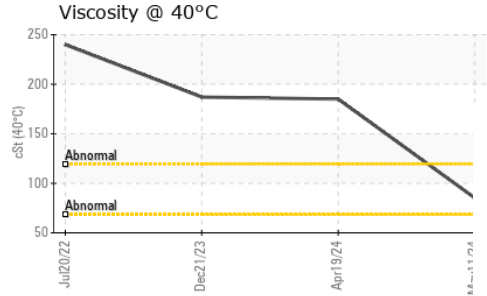
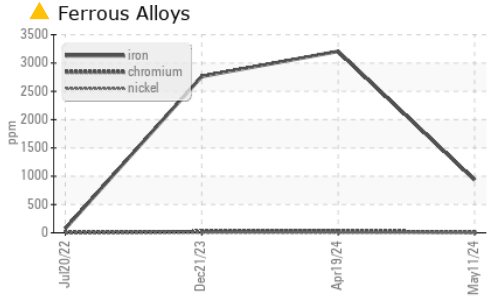
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	14	59	25
Sodium	ppm	ASTM D5185m	6	27	20
Potassium	ppm	ASTM D5185m >20	9	35	24

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	0.2%	0.2%
Free Water	scalar	*Visual	NEG	NEG	NEG



OIL ANALYSIS REPORT

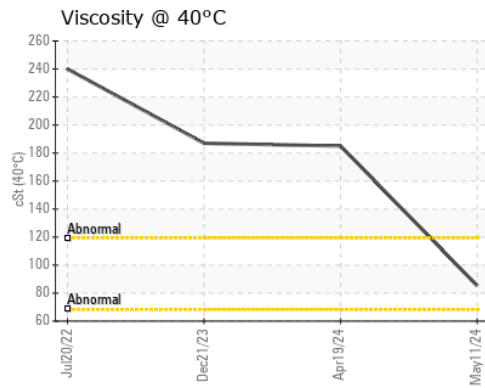
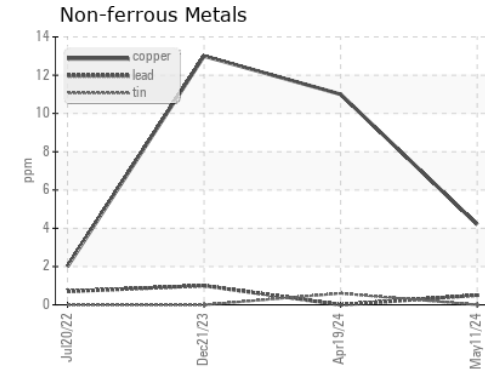
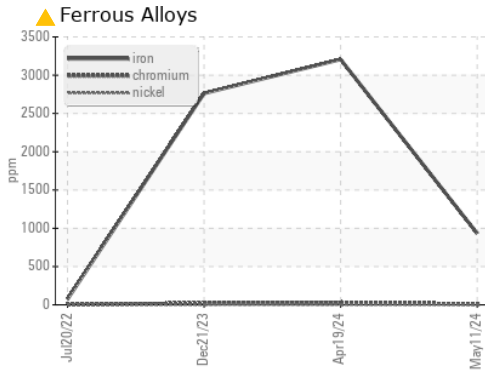


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	85.3	185	187

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. : WC0903922 **Received** : 15 May 2024
Lab Number : **06180762** **Tested** : 16 May 2024
Unique Number : 11032088 **Diagnosed** : 18 May 2024 - Jonathan Hester
Test Package : CONST

SHIMMICK CONSTRUCTION
 5535 TRAILHEAD DRIVE
 CHATTANOOGA, TN
 US 37415
 Contact: DANIEL LISELLA
 daniel.lisella@shimmick.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: