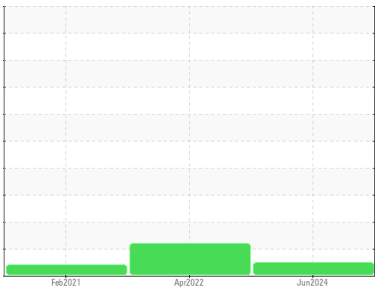
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Machine Id
015-R014
Component
Main Hoist
Fluid
SCHAEFFER SCHAEFFER 293 MOLY 75W90 (--- GAL)

DIAGNOSIS

Recommendation
Resample at the next service interval to monitor. (Customer Sample Comment: Main hoist sample)

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		**WC0868316**	WC0548444	WC0548280
Sample Date		Client Info		**18 Jun 2024**	14 Apr 2022	12 Feb 2021
Machine Age	hrs	Client Info		**7393**	20124	17824
Oil Age	hrs	Client Info		**1197**	0	0
Oil Changed		Client Info		**Not Changd**	Changed	N/A
Sample Status				**NORMAL**	ABNORMAL	ATTENTION

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	**NEG**	NEG	NEG

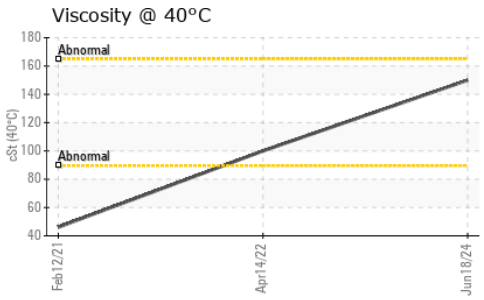
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>300	**18**	42	16
Chromium	ppm	ASTM D5185m	>5	**0**	<1	11
Nickel	ppm	ASTM D5185m	>4	**<1**	0	0
Titanium	ppm	ASTM D5185m		**0**	0	<1
Silver	ppm	ASTM D5185m		**0**	<1	<1
Aluminum	ppm	ASTM D5185m	>10	**<1**	<1	2
Lead	ppm	ASTM D5185m	>120	**0**	0	<1
Copper	ppm	ASTM D5185m	>200	**8**	5	7
Tin	ppm	ASTM D5185m	>15	**<1**	<1	0
Antimony	ppm	ASTM D5185m		**---**	---	0
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		**50**	160	67
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**0**	6	26
Manganese	ppm	ASTM D5185m		**1**	1	<1
Magnesium	ppm	ASTM D5185m		**<1**	9	23
Calcium	ppm	ASTM D5185m		**57**	201	2556
Phosphorus	ppm	ASTM D5185m		**510**	1235	949
Zinc	ppm	ASTM D5185m		**53**	110	1074
Sulfur	ppm	ASTM D5185m		**12248**	18927	5348

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	**9**	3	9
Sodium	ppm	ASTM D5185m		**2**	3	4
Potassium	ppm	ASTM D5185m	>20	**2**	0	0

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	▲ MODER	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	>0.1	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

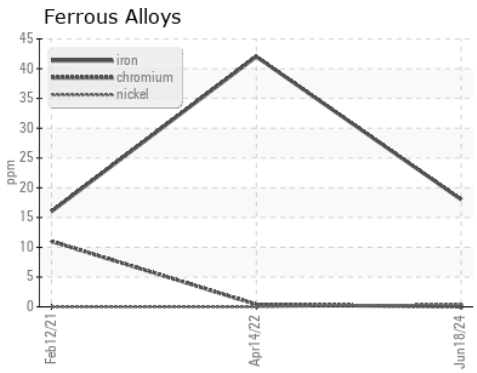
OIL ANALYSIS REPORT

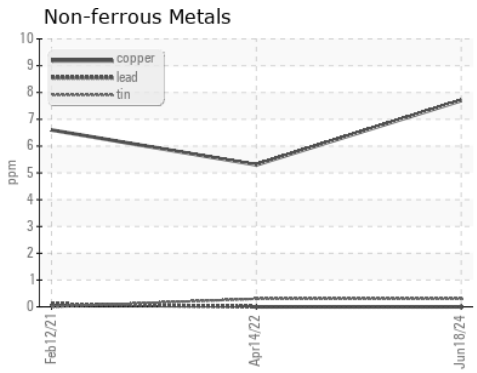


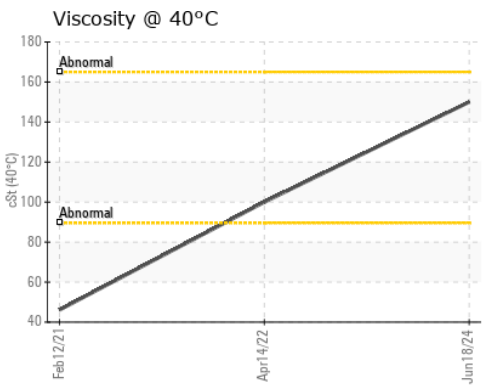
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		**150**	100	46.1

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. : WC0868316
Lab Number : 06217210
Unique Number : 11090074
Test Package : CONST

Received : 21 Jun 2024
Tested : 24 Jun 2024
Diagnosed : 24 Jun 2024 - Don Baldridge

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)

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

Report Id: AECCHATN [WUSCAR] 06217210 (Generated: 06/30/2024 06:10:41) Rev: 1

Submitted By: TECH TECHNICIAN