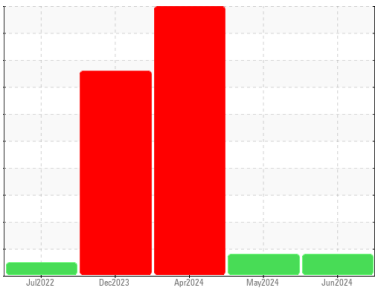
OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

Machine Id
040-R0006
Component
Right Final Drive
Fluid
SCHAEFFER SCHAEFFER 293 MOLY 75W90 (2 QTS)

DIAGNOSIS

Recommendation
No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: 7156 hours. 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		**WC0868297**	WC0903922	WC0903846
Sample Date		Client Info		**03 Jun 2024**	11 May 2024	19 Apr 2024
Machine Age	hrs	Client Info		**7156**	7039	6945
Oil Age	hrs	Client Info		**7039**	4	6631
Oil Changed		Client Info		**Not Changd**	Changed	Changed
Sample Status				**ABNORMAL**	ABNORMAL	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	▲ **627**	▲ 933	▲ 3206
Chromium	ppm	ASTM D5185m	>10	**6**	10	▲ 32
Nickel	ppm	ASTM D5185m	>10	**0**	<1	1
Titanium	ppm	ASTM D5185m		**0**	<1	1
Silver	ppm	ASTM D5185m		**0**	<1	0
Aluminum	ppm	ASTM D5185m	>25	**4**	13	▲ 62
Lead	ppm	ASTM D5185m	>25	**0**	<1	0
Copper	ppm	ASTM D5185m	>50	**2**	4	11
Tin	ppm	ASTM D5185m	>10	**0**	0	<1
Vanadium	ppm	ASTM D5185m		**0**	<1	<1
Cadmium	ppm	ASTM D5185m		**0**	<1	<1

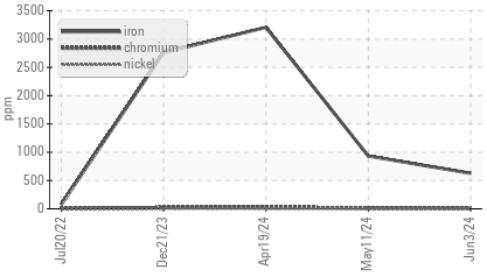
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**18**	24	99
Barium	ppm	ASTM D5185m		**<1**	<1	12
Molybdenum	ppm	ASTM D5185m		**240**	159	<1
Manganese	ppm	ASTM D5185m		**5**	7	23
Magnesium	ppm	ASTM D5185m		**4**	5	12
Calcium	ppm	ASTM D5185m		**22**	42	132
Phosphorus	ppm	ASTM D5185m		**485**	692	1261
Zinc	ppm	ASTM D5185m		**25**	56	97
Sulfur	ppm	ASTM D5185m		**13281**	16113	28725

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	**7**	14	59
Sodium	ppm	ASTM D5185m		**2**	6	27
Potassium	ppm	ASTM D5185m	>20	**0**	9	35

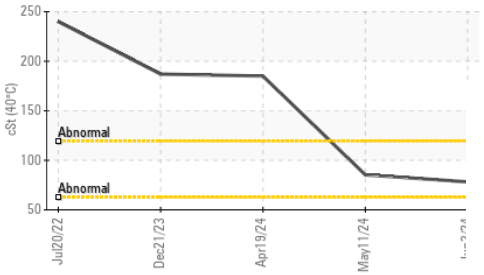
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**MODER**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt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

OIL ANALYSIS REPORT

Ferrous Alloys



Viscosity @ 40°C

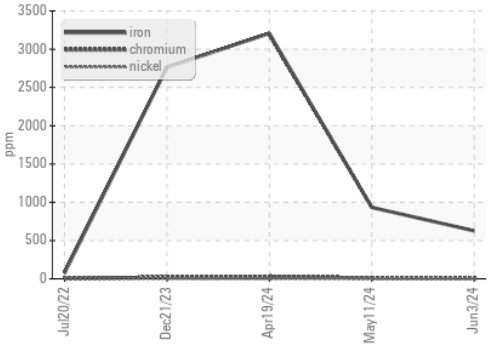


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		**78.2**	85.3	185

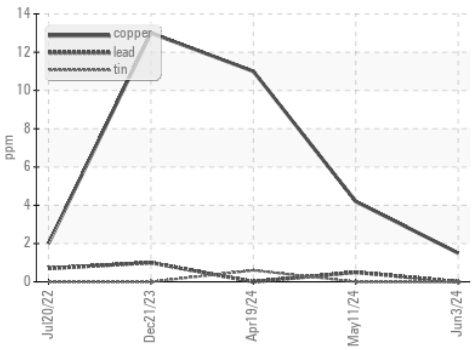
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			*no image*	*no image*	*no image*
Bottom			*no image*	*no image*	*no image*

GRAPHS

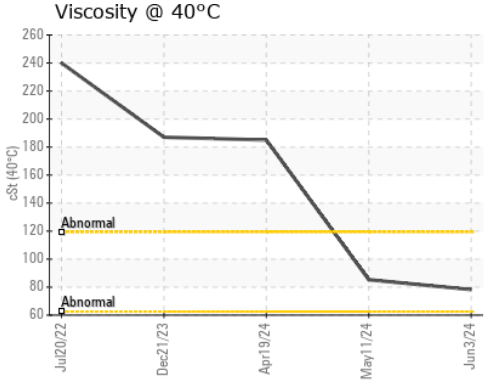
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0868297
Lab Number : 06203704
Unique Number : 11071165
Test Package : CONST

Received : 07 Jun 2024
Tested : 10 Jun 2024
Diagnosed : 12 Jun 2024 - Jonathan Hester

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)

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CHATTANOOGA, TN
US 37415
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Report Id: AECCHATN [WUSCAR] 06203704 (Generated: 06/14/2024 09:50:45) Rev: 1

Submitted By: TECH TECHNICIAN