



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
015-R0006
Component
Rear Right Final Drive
Fluid
SCHAEFFER SCHAEFFER 293 MOLY 75W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: Rear Right final drive)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0868335	WC0904113	WC0750701
Sample Date		Client Info		15 May 2024	25 Mar 2024	11 Oct 2023
Machine Age	hrs	Client Info		6637	6362	5413
Oil Age	hrs	Client Info		6362	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	54	55	43
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	4	1	3
Lead	ppm	ASTM D5185m	>25	<1	0	0
Copper	ppm	ASTM D5185m	>50	13	12	8
Tin	ppm	ASTM D5185m	>10	1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

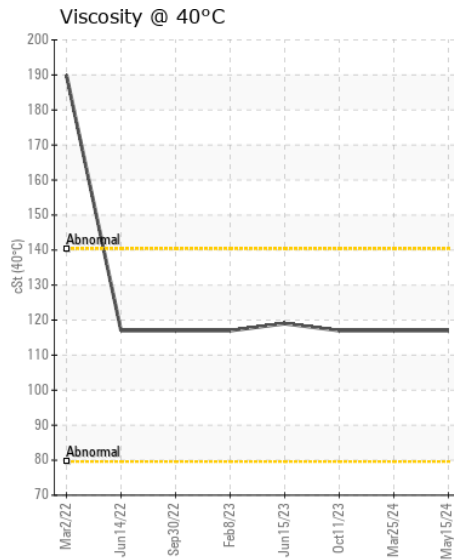
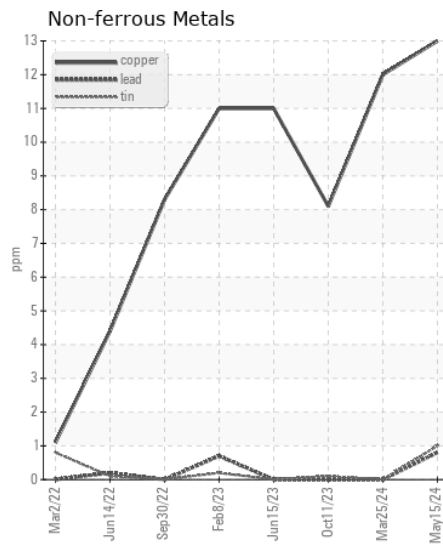
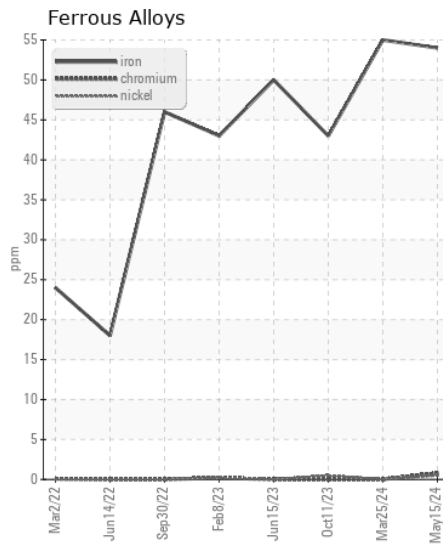
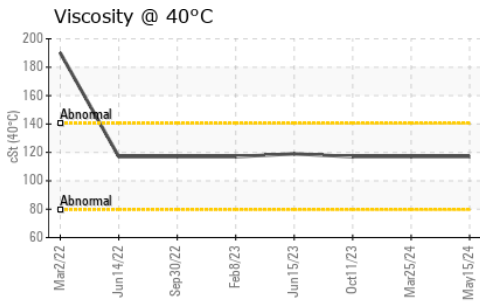
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	6	2	4
Potassium	ppm	ASTM D5185m	>20	2	0	2
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	LIGHT	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

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		2	4	2
Boron	ppm	ASTM D5185m		30	34	41
Barium	ppm	ASTM D5185m		0	<1	<1
Molybdenum	ppm	ASTM D5185m		300	279	295
Manganese	ppm	ASTM D5185m		2	2	2
Magnesium	ppm	ASTM D5185m		4	<1	8
Calcium	ppm	ASTM D5185m		31	24	28
Phosphorus	ppm	ASTM D5185m		1092	1013	1184
Zinc	ppm	ASTM D5185m		31	24	31
Sulfur	ppm	ASTM D5185m		24874	22923	23534
Visc @ 40°C	cSt	ASTM D445		117	117	117



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0868335
Lab Number : 06186964
Unique Number : 11043716
Test Package : CONST
Received : 21 May 2024
Tested : 23 May 2024
Diagnosed : 23 May 2024 - Don Baldrige

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)

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