



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
015-0064 (S/N 236017)
 Component
Front Left Final Drive
 Fluid
SCHAEFFER 267 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample
 Comment: Left Front Final Drive Sample)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0868276	WC0815098	WC0814959
Sample Date		Client Info		10 Jun 2024	02 Oct 2023	18 Jul 2023
Machine Age	hrs	Client Info		10189	9217	8857
Oil Age	hrs	Client Info		1121	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	68	70	64
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	4	0	2
Lead	ppm	ASTM D5185m	>25	7	6	6
Copper	ppm	ASTM D5185m	>50	57	49	47
Tin	ppm	ASTM D5185m	>10	4	4	4
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

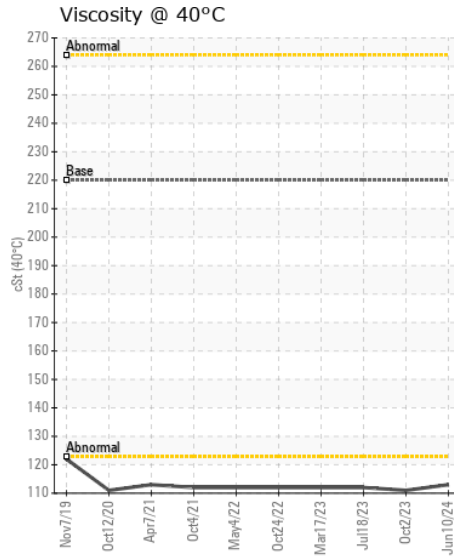
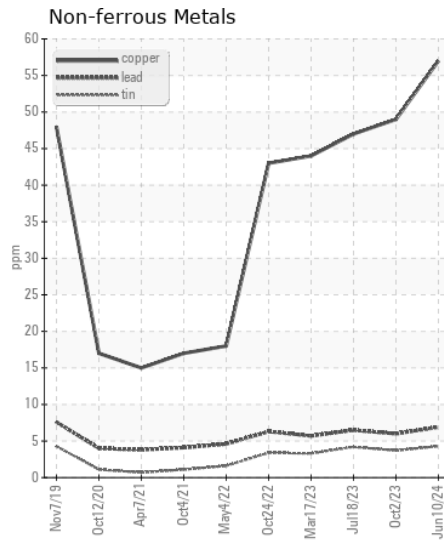
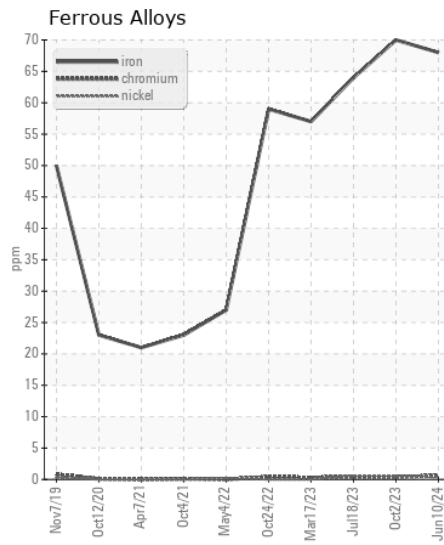
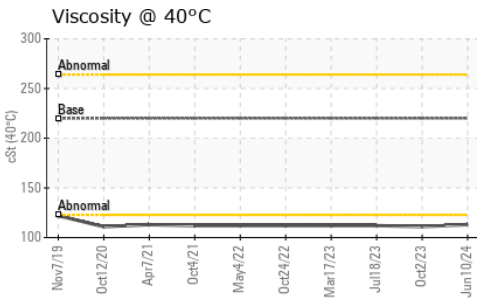
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	6	10	8
Potassium	ppm	ASTM D5185m	>20	2	2	3
Water		WC Method	>0.2	NEG	NEG	NEG
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	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		1	<1	3
Boron	ppm	ASTM D5185m		37	24	38
Barium	ppm	ASTM D5185m		2	2	0
Molybdenum	ppm	ASTM D5185m		367	343	357
Manganese	ppm	ASTM D5185m		2	2	2
Magnesium	ppm	ASTM D5185m		6	6	<1
Calcium	ppm	ASTM D5185m		10	16	11
Phosphorus	ppm	ASTM D5185m		1100	1149	1228
Zinc	ppm	ASTM D5185m		27	24	10
Sulfur	ppm	ASTM D5185m		23141	22687	27587
Visc @ 40°C	cSt	ASTM D445	220	113	111	112



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0868276
Lab Number : 06210625
Unique Number : 11083489
Test Package : CONST
Received : 14 Jun 2024
Tested : 17 Jun 2024
Diagnosed : 17 Jun 2024 - Angela Borella

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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