



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

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

RECOMMENDATION

(Customer Sample Comment: Front Right Final Drive sample)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0868277	WC0815099	WC0814956
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

Iron	ppm	ASTM D5185m	>500	32	38	34
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	4	0	3
Lead	ppm	ASTM D5185m	>25	4	3	3
Copper	ppm	ASTM D5185m	>50	21	18	18
Tin	ppm	ASTM D5185m	>10	1	1	1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

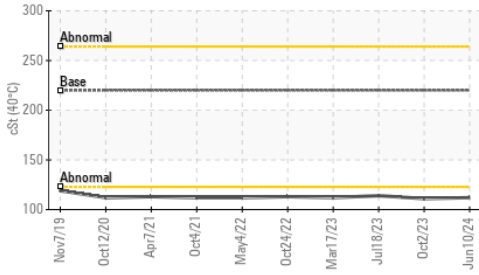
CONTAMINATION

Silicon	ppm	ASTM D5185m	>75	8	10	9
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

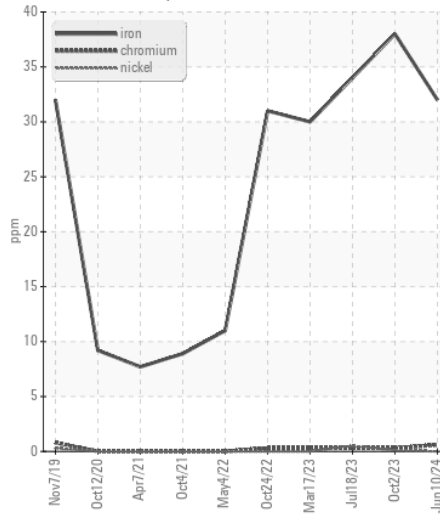
FLUID CONDITION

Sodium	ppm	ASTM D5185m		<1	0	2
Boron	ppm	ASTM D5185m		66	51	71
Barium	ppm	ASTM D5185m		2	2	0
Molybdenum	ppm	ASTM D5185m		346	331	343
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m		10	9	4
Calcium	ppm	ASTM D5185m		14	19	18
Phosphorus	ppm	ASTM D5185m		1133	1141	1211
Zinc	ppm	ASTM D5185m		22	18	7
Sulfur	ppm	ASTM D5185m		24004	22183	26904
Visc @ 40°C	cSt	ASTM D445	220	112	111	114

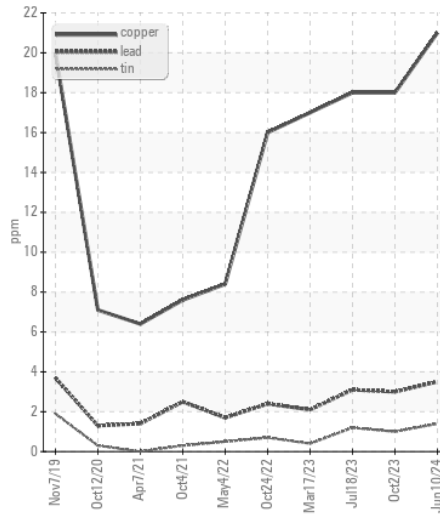
Viscosity @ 40°C



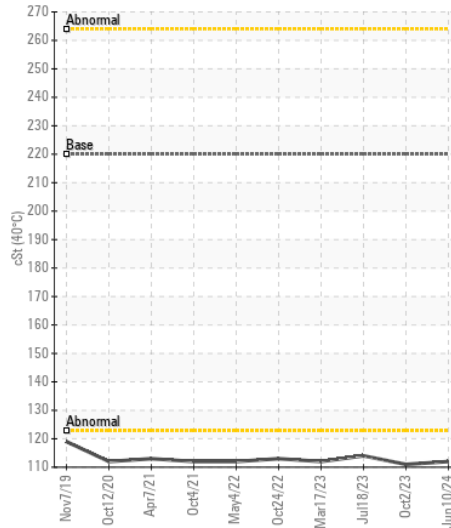
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0868277
Lab Number : 06210623
Unique Number : 11083487
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)

T:
F: