



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
BCESD CR-143 T-241
 Component
Rear Differential
 Fluid
Differential Oil (--- QTS)

RECOMMENDATION

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0941898	WC0792353	---
Sample Date		Client Info		16 Jun 2024	12 Apr 2023	---
Machine Age	mls	Client Info		0	0	---
Oil Age	mls	Client Info		0	0	---
Filter Age	mls	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

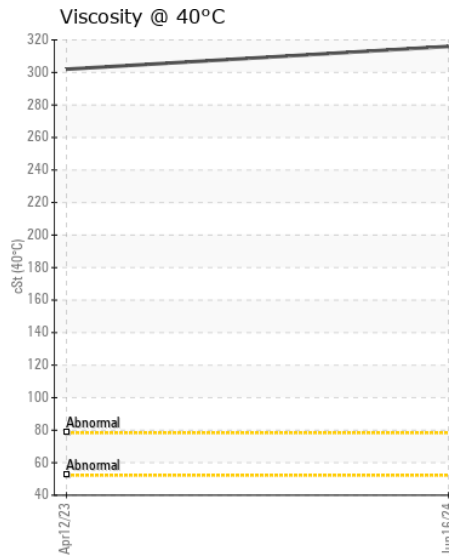
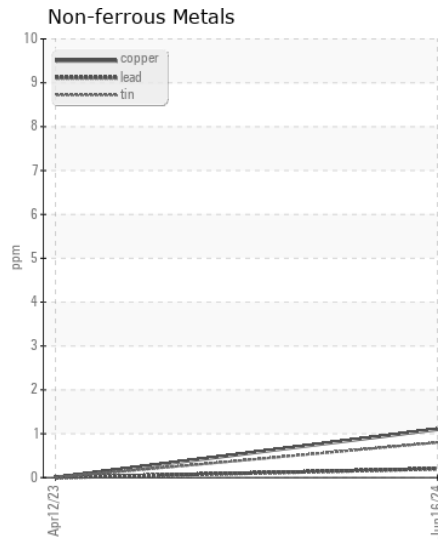
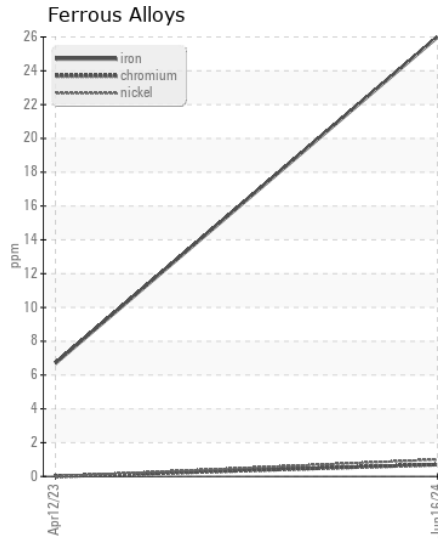
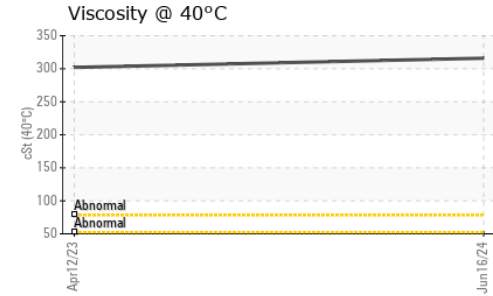
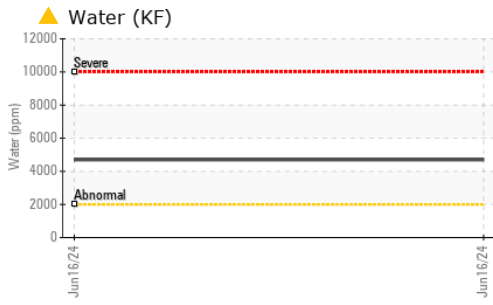
Iron	ppm	ASTM D5185m	>500	26	7	---
Chromium	ppm	ASTM D5185m	>10	<1	0	---
Nickel	ppm	ASTM D5185m	>10	1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	3	0	---
Lead	ppm	ASTM D5185m	>25	<1	0	---
Copper	ppm	ASTM D5185m	>100	1	0	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

Silicon	ppm	ASTM D5185m	>75	5	<1	---
Potassium	ppm	ASTM D5185m	>20	2	0	---
Water	%	ASTM D6304	>.2	▲ 0.470	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 4700	---	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	● HAZY	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>.2	▲ 0.2%	NEG	---

FLUID CONDITION

Sodium	ppm	ASTM D5185m		31	0	---
Boron	ppm	ASTM D5185m		116	234	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		<1	0	---
Manganese	ppm	ASTM D5185m		<1	0	---
Magnesium	ppm	ASTM D5185m		22	2	---
Calcium	ppm	ASTM D5185m		21	16	---
Phosphorus	ppm	ASTM D5185m		907	906	---
Zinc	ppm	ASTM D5185m		36	9	---
Sulfur	ppm	ASTM D5185m		25171	24571	---
Visc @ 40°C	cSt	ASTM D445		316	302	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0941898 **Received** : 17 Jun 2024
Lab Number : 06212101 **Tested** : 18 Jun 2024
Unique Number : 11084965 **Diagnosed** : 19 Jun 2024 - Don Baldrige
Test Package : CONST (Additional Tests: KF)

SIDDONS-MARTIN EMERGENCY GROUP
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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: