



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
Contracting
Machine Id
5606 5606
Component
Hydraulic System
Fluid
SAE 10W (12 GAL)

RECOMMENDATION

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0947932	WC0704083	---
Sample Date		Client Info		28 Jun 2024	07 Jun 2022	---
Machine Age	hrs	Client Info		961	3	---
Oil Age	hrs	Client Info		961	3	---
Filter Age	hrs	Client Info		961	0	---
Oil Changed		Client Info		Not Changed	Not Changed	---
Filter Changed		Client Info		Changed	Not Changed	---
Sample Status				ABNORMAL	ATTENTION	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>71	3	<1	---
Chromium	ppm	ASTM D5185m	>11	2	0	---
Nickel	ppm	ASTM D5185m	>6	0	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	<1	---
Aluminum	ppm	ASTM D5185m	>11	<1	0	---
Lead	ppm	ASTM D5185m	>13	0	0	---
Copper	ppm	ASTM D5185m	>21	2	<1	---
Tin	ppm	ASTM D5185m	>5	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

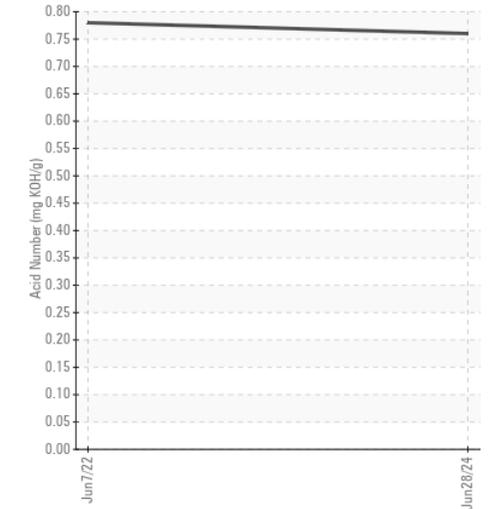
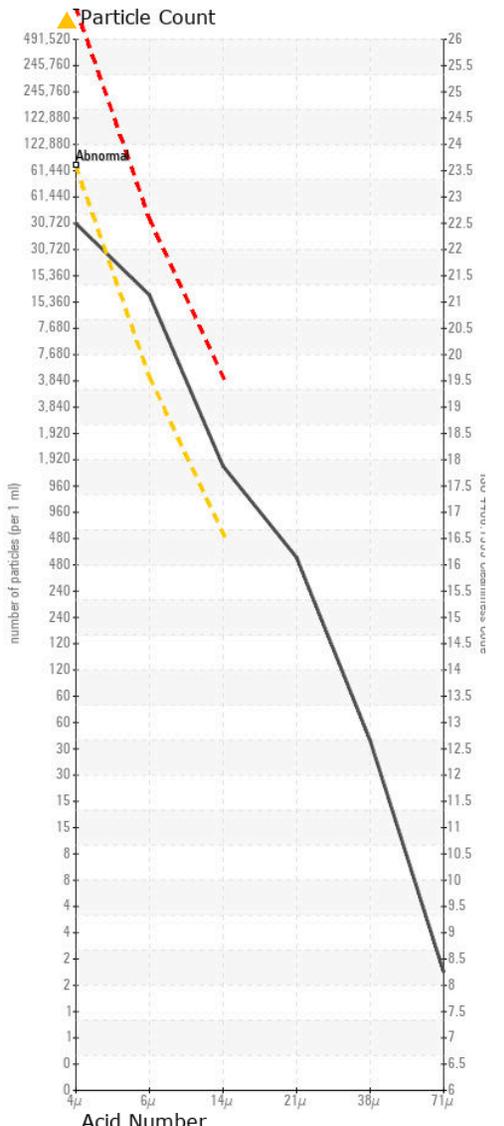
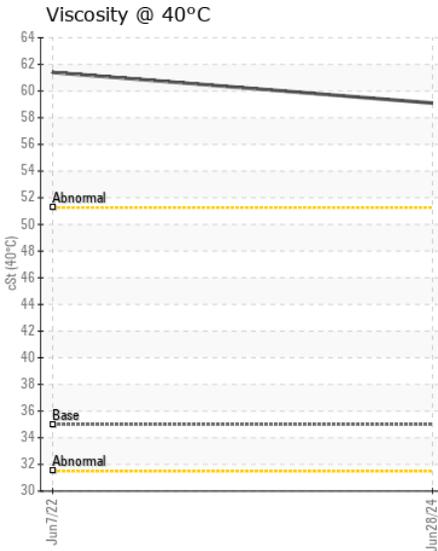
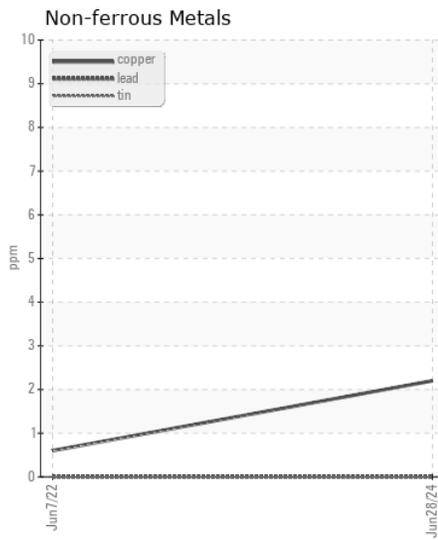
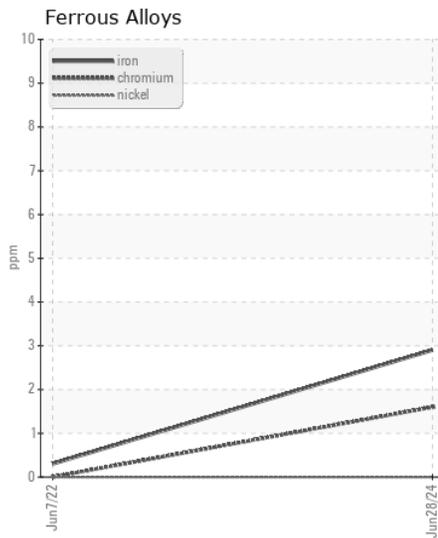
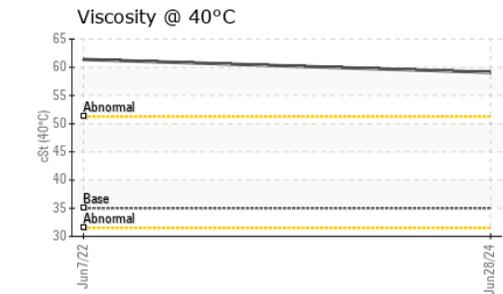
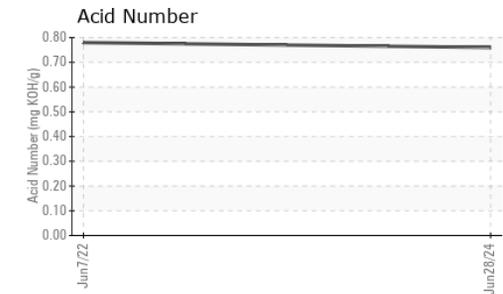
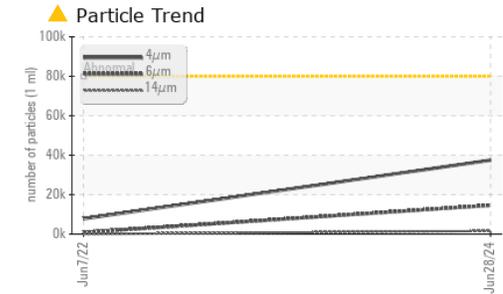
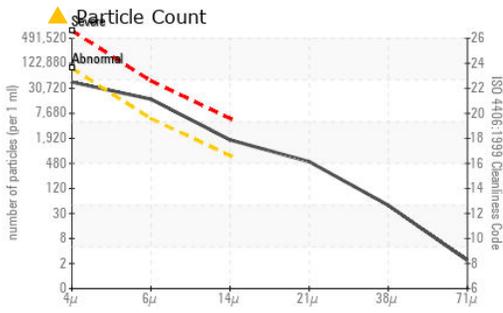
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>24	3	1	---
Potassium	ppm	ASTM D5185m	>20	2	4	---
Water		WC Method	>0.075	NEG	NEG	---
Particles >4µm		ASTM D7647	>80000	37472	7776	---
Particles >6µm		ASTM D7647	>5000	14616	864	---
Particles >14µm		ASTM D7647	>640	1546	22	---
Particles >21µm		ASTM D7647	>160	465	4	---
Particles >38µm		ASTM D7647	>40	42	0	---
Particles >71µm		ASTM D7647	>10	2	0	---
Oil Cleanliness		ISO 4406 (c)	>23/19/16	22/21/18	20/17/12	---
Silt	scalar	*Visual	NONE	LIGHT	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	---

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>21	2	1	---
Boron	ppm	ASTM D5185m		0	<1	---
Barium	ppm	ASTM D5185m		<1	0	---
Molybdenum	ppm	ASTM D5185m		0	<1	---
Manganese	ppm	ASTM D5185m		<1	0	---
Magnesium	ppm	ASTM D5185m		0	1	---
Calcium	ppm	ASTM D5185m		91	96	---
Phosphorus	ppm	ASTM D5185m		642	632	---
Zinc	ppm	ASTM D5185m		873	836	---
Sulfur	ppm	ASTM D5185m		1975	1719	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.76	0.78	---
Visc @ 40°C	cSt	ASTM D445	35.0	59.1	61.4	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0947932 **Received** : 02 Jul 2024
Lab Number : 06226139 **Tested** : 03 Jul 2024
Unique Number : 11109632 **Diagnosed** : 05 Jul 2024 - Jonathan Hester
Test Package : CONST

CAROLINA SUNROCK
 PO BOX 25
 BUTNER, NC
 US 27509
 Contact: Leigh Dennis
 rdennis@thesunrockgroup.com
 T: (919)575-4505
 F: (919)575-0162

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)