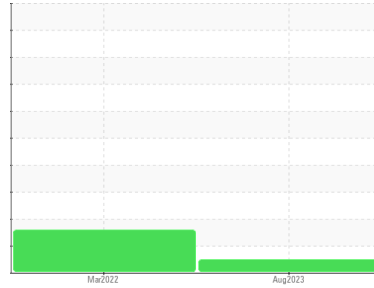




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
MB10000

Component
Hydraulic System

Fluid
PHILLIPS 66 Powerflow NZ AW46 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0848744	WC0653883	---
Sample Date	Client Info	11 Aug 2023	10 Mar 2022	---
Machine Age	hrs Client Info	0	0	---
Oil Age	hrs Client Info	0	0	---
Oil Changed	Client Info	N/A	N/A	---
Sample Status		NORMAL	ABNORMAL	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>20	4	3	---
Chromium ppm ASTM D5185m	>20	2	0	---
Nickel ppm ASTM D5185m	>20	0	<1	---
Titanium ppm ASTM D5185m		0	<1	---
Silver ppm ASTM D5185m		0	5	---
Aluminum ppm ASTM D5185m	>20	0	<1	---
Lead ppm ASTM D5185m	>20	<1	0	---
Copper ppm ASTM D5185m	>20	3	9	---
Tin ppm ASTM D5185m	>20	0	<1	---
Vanadium ppm ASTM D5185m		0	0	---
Cadmium ppm ASTM D5185m		0	<1	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		0	<1	---
Barium ppm ASTM D5185m		0	2	---
Molybdenum ppm ASTM D5185m		<1	0	---
Manganese ppm ASTM D5185m		0	<1	---
Magnesium ppm ASTM D5185m		4	0	---
Calcium ppm ASTM D5185m		56	46	---
Phosphorus ppm ASTM D5185m		335	265	---
Zinc ppm ASTM D5185m		421	355	---
Sulfur ppm ASTM D5185m		1091	912	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>15	<1	▲ 17	---
Sodium ppm ASTM D5185m		0	<1	---
Potassium ppm ASTM D5185m	>20	1	0	---

VISUAL

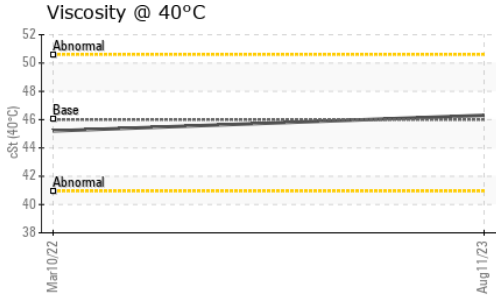
method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	NONE	NONE	---
Yellow Metal scalar *Visual	NONE	NONE	NONE	---
Precipitate scalar *Visual	NONE	NONE	NONE	---
Silt scalar *Visual	NONE	NONE	NONE	---
Debris scalar *Visual	NONE	NONE	NONE	---
Sand/Dirt scalar *Visual	NONE	NONE	NONE	---
Appearance scalar *Visual	NORML	NORML	NORML	---
Odor scalar *Visual	NORML	NORML	NORML	---
Emulsified Water scalar *Visual	>0.05	NEG	NEG	---
Free Water scalar *Visual		NEG	NEG	---

FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C cSt ASTM D445	46	46.3	45.2	---

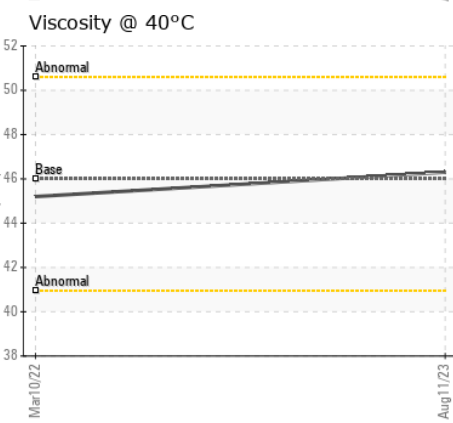
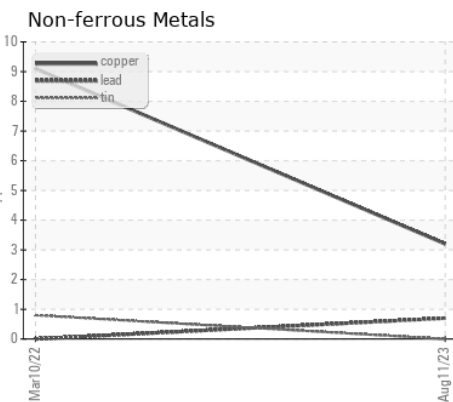
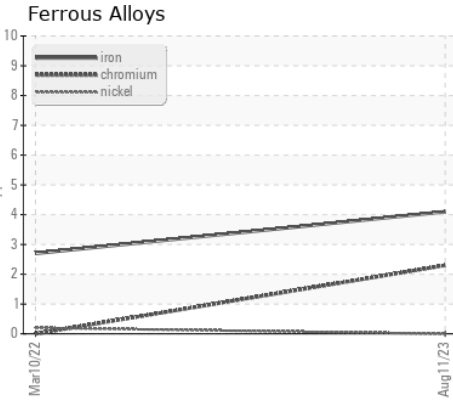


OIL ANALYSIS REPORT



	SAMPLE IMAGES	method	limit/base	current	history1	history2
Color						no image
Bottom						no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0848744 **Received** : 23 Aug 2023
Lab Number : 05932486 **Diagnosed** : 25 Aug 2023
Unique Number : 10617757 **Diagnostician** : Jonathan Hester
Test Package : IND 1

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 US 37879
 Contact: JEREMY COLLINS
 jcollins@us.sumiriko.com
 T: (423)626-8805
 F: (423)626-2065

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)