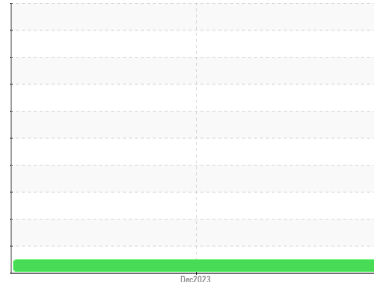




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
1A1
 Machine Id
17-046S16-7EOT
 Component
Gearbox
 Fluid
NOT GIVEN (--- GAL)

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. The amount and size of particulates present in the system are acceptable.

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0881647	---	---
Sample Date	Client Info		10 Dec 2023	---	---
Machine Age	mls Client Info		0	---	---
Oil Age	mls Client Info		0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			NORMAL	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	>200	0	---	---
Chromium	ppm ASTM D5185m	>15	0	---	---
Nickel	ppm ASTM D5185m	>15	0	---	---
Titanium	ppm ASTM D5185m		<1	---	---
Silver	ppm ASTM D5185m		0	---	---
Aluminum	ppm ASTM D5185m	>25	0	---	---
Lead	ppm ASTM D5185m	>100	0	---	---
Copper	ppm ASTM D5185m	>200	0	---	---
Tin	ppm ASTM D5185m	>25	0	---	---
Vanadium	ppm ASTM D5185m		0	---	---
Cadmium	ppm ASTM D5185m		0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m		345	---	---
Barium	ppm ASTM D5185m		0	---	---
Molybdenum	ppm ASTM D5185m		0	---	---
Manganese	ppm ASTM D5185m		0	---	---
Magnesium	ppm ASTM D5185m		0	---	---
Calcium	ppm ASTM D5185m		28	---	---
Phosphorus	ppm ASTM D5185m		1178	---	---
Zinc	ppm ASTM D5185m		0	---	---
Sulfur	ppm ASTM D5185m		151	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>50	45	---	---
Sodium	ppm ASTM D5185m		0	---	---
Potassium	ppm ASTM D5185m	>20	2	---	---
Water	% ASTM D6304	>0.2	0.014	---	---
ppm Water	ppm ASTM D6304	>2000	143	---	---

FLUID CLEANLINESS

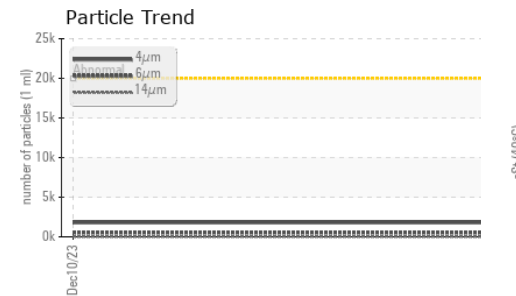
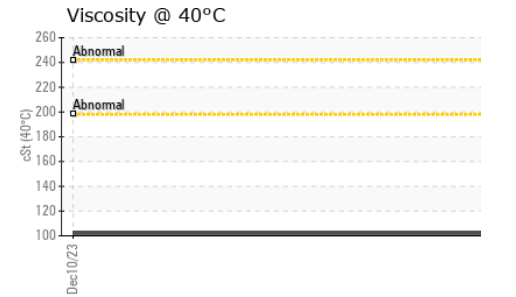
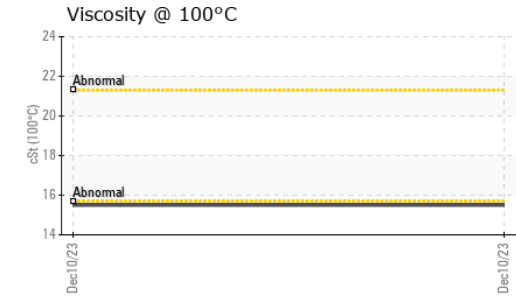
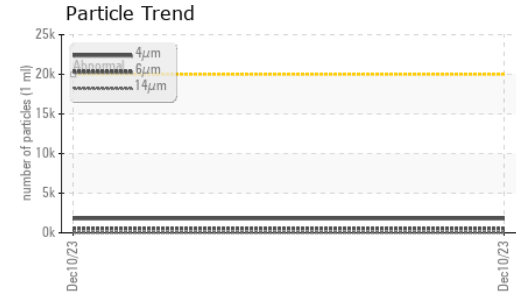
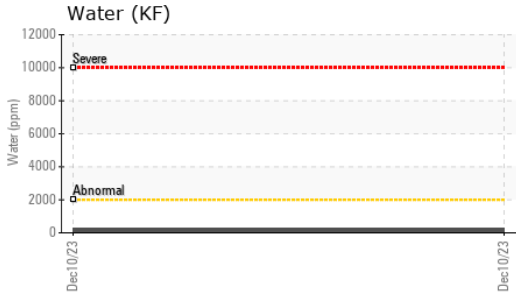
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>20000	1799	---	---
Particles >6µm	ASTM D7647	>5000	523	---	---
Particles >14µm	ASTM D7647	>640	19	---	---
Particles >21µm	ASTM D7647	>160	2	---	---
Particles >38µm	ASTM D7647	>40	0	---	---
Particles >71µm	ASTM D7647	>10	0	---	---
Oil Cleanliness	ISO 4406 (c)	>21/19/16	18/16/11	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045		2.62	---	---



OIL ANALYSIS REPORT

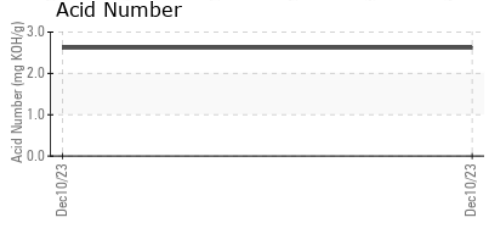
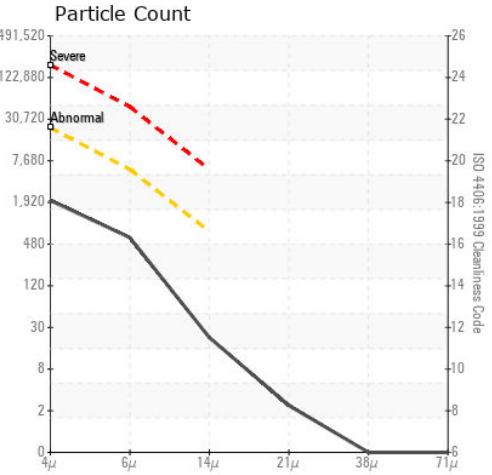
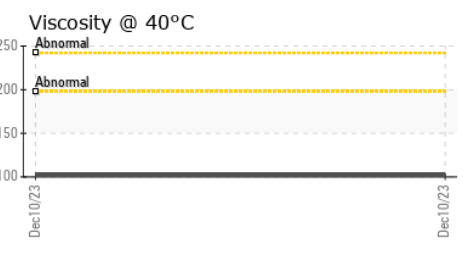
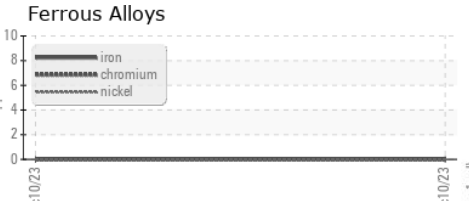


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	102	---	---
Visc @ 100°C	cSt	ASTM D445	15.5	---	---
Viscosity Index (VI)	Scale	ASTM D2270	161	---	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0881647 **Received** : 08 Dec 2023
Lab Number : 06030022 **Diagnosed** : 15 Dec 2023
Unique Number : 10779813 **Diagnostician** : Jonathan Hester
Test Package : MOB 2 (Additional Tests: KF, KV100, PRTCOUNT, VI)

BASF - GIANNA CREDAROLI
 500 WHITE PLAINS RD
 TARRYTOWN, NY
 US 10591
 Contact: GIANNA CREDAROLI
 gianna.credaroli@basf.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)