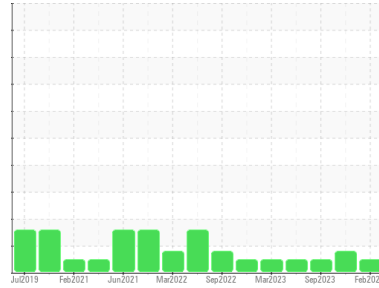




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
ALBUMIN
 Machine Id
CHXU135P001
 Component
Pump
 Fluid
 {not provided} (--- Oz)

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 component.

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	WC06135122	WC0865402	WC0394155
Sample Date	Client Info	29 Feb 2024	13 Dec 2023	18 Sep 2023
Machine Age	yrs Client Info	0	0	0
Oil Age	yrs Client Info	0	0	0
Oil Changed	Client Info	N/A	N/A	Changed
Sample Status		NORMAL	ABNORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >.1	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >90	2	4	34
Chromium	ppm ASTM D5185m >5	<1	0	0
Nickel	ppm ASTM D5185m >5	0	0	0
Titanium	ppm ASTM D5185m >3	0	0	4
Silver	ppm ASTM D5185m >3	0	0	0
Aluminum	ppm ASTM D5185m >7	0	<1	12
Lead	ppm ASTM D5185m >12	0	0	0
Copper	ppm ASTM D5185m >30	<1	<1	0
Tin	ppm ASTM D5185m >9	0	0	0
Vanadium	ppm ASTM D5185m	0	0	0
Cadmium	ppm ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	0	0	0
Barium	ppm ASTM D5185m	0	0	0
Molybdenum	ppm ASTM D5185m	0	0	0
Manganese	ppm ASTM D5185m	<1	0	0
Magnesium	ppm ASTM D5185m	0	0	2
Calcium	ppm ASTM D5185m	1	0	76
Phosphorus	ppm ASTM D5185m	575	515	590
Zinc	ppm ASTM D5185m	0	0	0
Sulfur	ppm ASTM D5185m	574	300	807

CONTAMINANTS

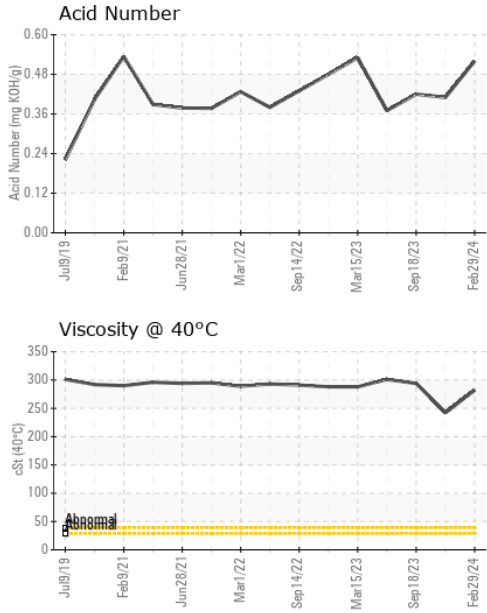
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >60	9	20	15
Sodium	ppm ASTM D5185m	2	<1	17
Potassium	ppm ASTM D5185m >20	1	<1	0

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	0.52	0.41	0.42



OIL ANALYSIS REPORT

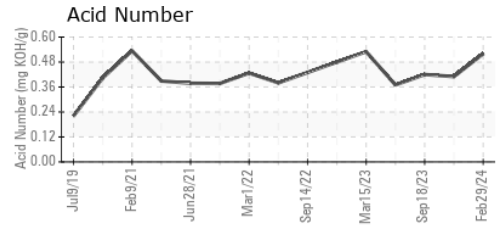
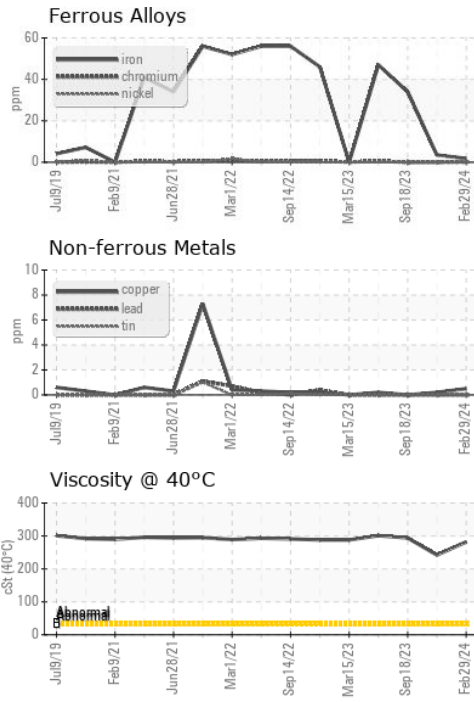


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	282	242	294

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC06135122
Lab Number : **06135122**
Unique Number : 10954587
Test Package : IND 2
Received : 01 Apr 2024
Tested : 02 Apr 2024
Diagnosed : 04 Apr 2024 - Jonathan Hester

TAKEDA
 305-505 BAXALTA PARKWAY
 SOCIAL CIRCLE, GA
 US 30025
 Contact: DONALD BUTLER
 Donald.butler@takeda.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)