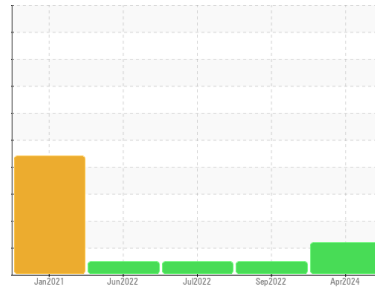




OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
11502106 (S/N 53-10462)
 Component
Gearbox
 Fluid
LUBRIPLATE SFGO ULTRA 220 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

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	USP0006455	USP240515	USP240507
Sample Date	Client Info	12 Apr 2024	13 Sep 2022	19 Jul 2022
Machine Age	hrs	Client Info	0	41275
Oil Age	hrs	Client Info	0	4629
Oil Changed	Client Info	N/A	Not Changd	Not Changd
Sample Status		ABNORMAL	NORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >200	27	7	5
Chromium	ppm	ASTM D5185m >15	<1	0	0
Nickel	ppm	ASTM D5185m >15	0	0	0
Titanium	ppm	ASTM D5185m	<1	0	0
Silver	ppm	ASTM D5185m	<1	<1	0
Aluminum	ppm	ASTM D5185m >25	1	0	0
Lead	ppm	ASTM D5185m >100	4	1	<1
Copper	ppm	ASTM D5185m >200	2	4	<1
Tin	ppm	ASTM D5185m >25	1	2	<1
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	<1	0	0

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	0	3
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0
Manganese	ppm	ASTM D5185m	0	0	0
Magnesium	ppm	ASTM D5185m	1	0	0
Calcium	ppm	ASTM D5185m	4	0	0
Phosphorus	ppm	ASTM D5185m	161	148	148
Zinc	ppm	ASTM D5185m	3	<1	<1
Sulfur	ppm	ASTM D5185m	2209	2285	2817

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >50	3	3	4
Sodium	ppm	ASTM D5185m	<1	0	0
Potassium	ppm	ASTM D5185m >20	2	0	0
Water	%	ASTM D6304 >0.2	0.004	0.003	0.005
ppm Water	ppm	ASTM D6304 >2000	49	34.2	58.8

FLUID CLEANLINESS

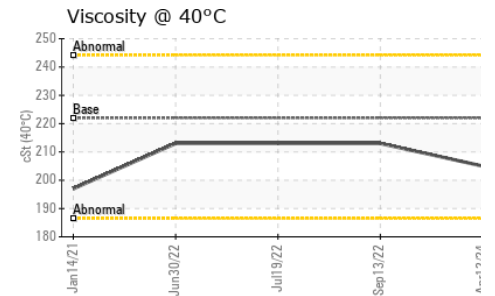
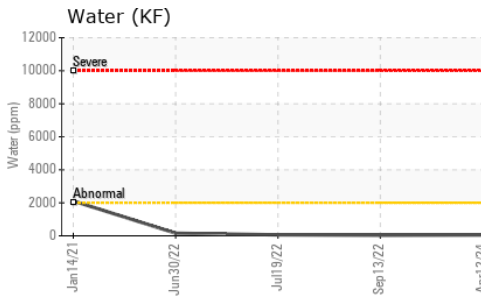
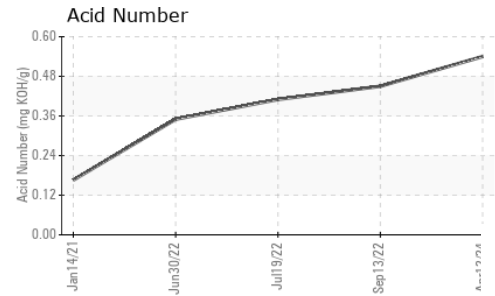
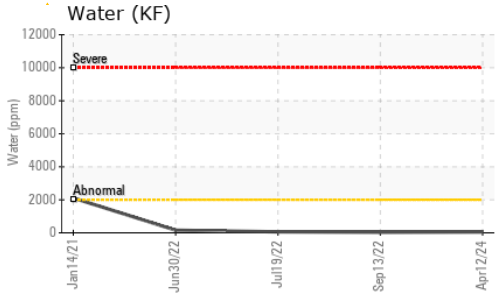
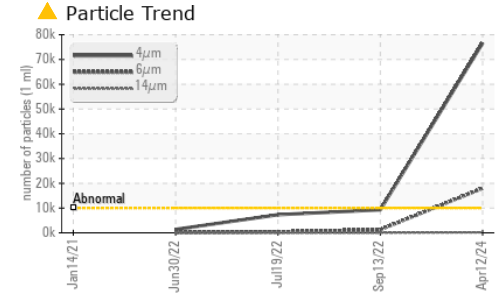
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >10000	▲ 76652	9298	7307
Particles >6µm	ASTM D7647 >2500	▲ 17993	1277	350
Particles >14µm	ASTM D7647 >640	180	35	10
Particles >21µm	ASTM D7647 >160	14	6	3
Particles >38µm	ASTM D7647 >40	1	0	1
Particles >71µm	ASTM D7647 >10	0	0	0
Oil Cleanliness	ISO 4406 (c) >20/18/16	▲ 23/21/15	20/17/12	20/16/10

FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.54	0.45	0.41



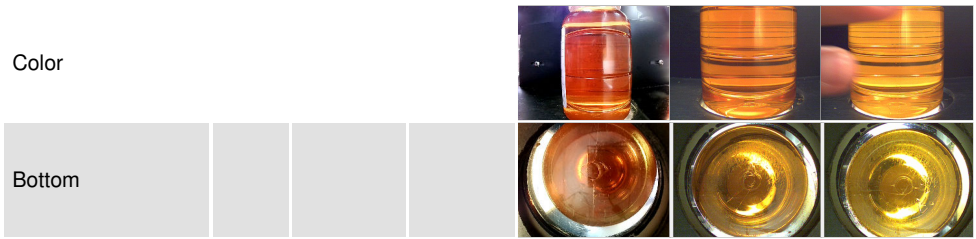
OIL ANALYSIS REPORT



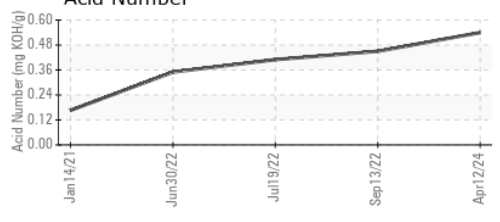
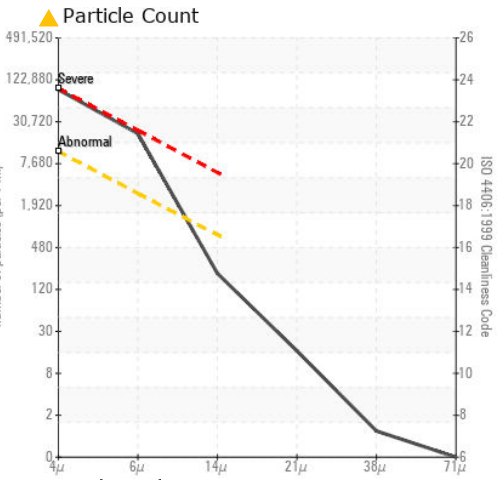
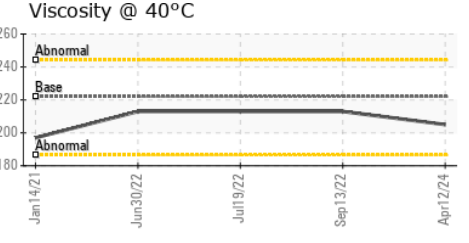
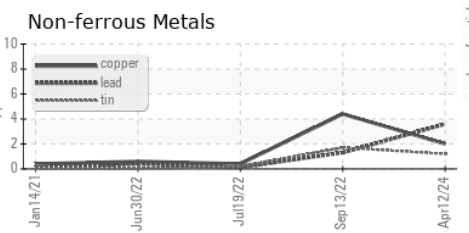
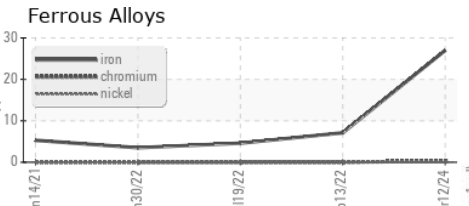
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 222	205	213	213

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USP0006455 **Received** : 19 Apr 2024
Lab Number : 06154421 **Tested** : 22 Apr 2024
Unique Number : 10989844 **Diagnosed** : 22 Apr 2024 - Doug Bogart
Test Package : IND 2

KraftHeinz - Lowville - Plant 8322 PCA
 7388 UTICA BLVD
 LOWVILLE, NY
 US 13367
 Contact: BRIAN HULL
 brian.hull2@kraftheinz.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)