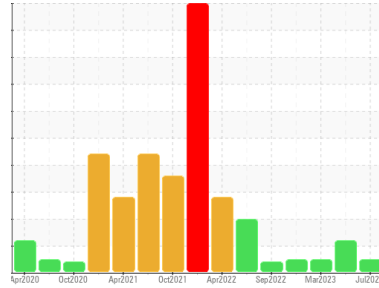


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
[98242588]
 Machine Id
KR-GR-003227 - REWORK GRINDER (S/N GRIND A - 11555379)
 Component
Gearbox
 Fluid
GEAR OIL ISO 220 (--- LTR)

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			PCA0099345	PCA0073076	PCA0092409
Sample Date	Client Info			07 Jul 2023	02 May 2023	22 Mar 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	Client Info			N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	96	86	62
Chromium	ppm	ASTM D5185m	>15	2	<1	2
Nickel	ppm	ASTM D5185m	>15	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	9	3	3
Lead	ppm	ASTM D5185m	>100	<1	0	2
Copper	ppm	ASTM D5185m	>200	123	116	116
Tin	ppm	ASTM D5185m	>25	<1	0	<1
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	50	9	10	12
Barium	ppm	ASTM D5185m	15	0	0	2
Molybdenum	ppm	ASTM D5185m	15	81	82	80
Manganese	ppm	ASTM D5185m		3	2	2
Magnesium	ppm	ASTM D5185m	50	0	3	1
Calcium	ppm	ASTM D5185m	50	14	4	17
Phosphorus	ppm	ASTM D5185m	350	436	411	373
Zinc	ppm	ASTM D5185m	100	74	67	52
Sulfur	ppm	ASTM D5185m	12500	9981	9568	7785

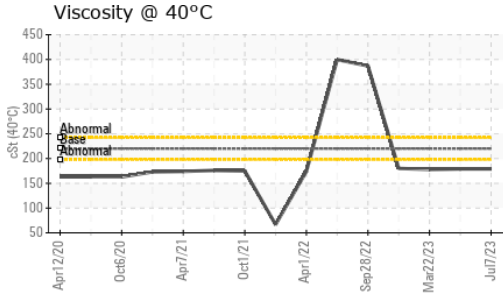
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	23	21	22
Sodium	ppm	ASTM D5185m		6	6	6
Potassium	ppm	ASTM D5185m	>20	4	4	4

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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	220	179	179	178

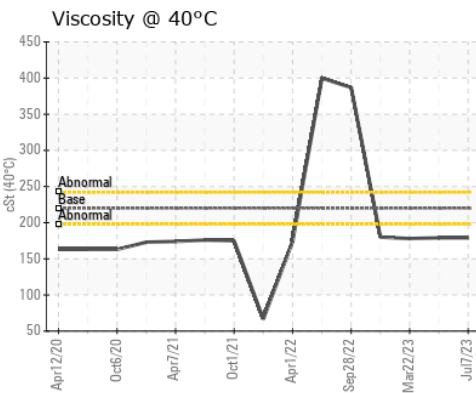
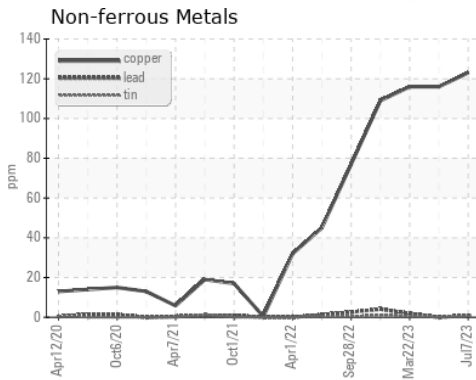
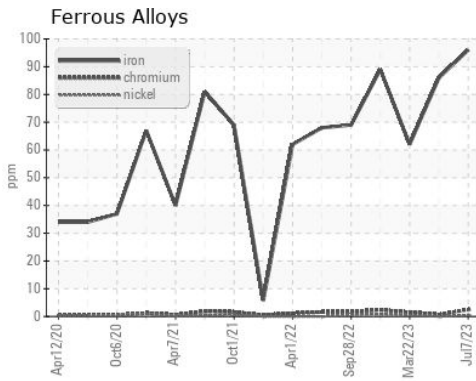


OIL ANALYSIS REPORT



SAMPLE IMAGES					method	limit/base	current	history1	history2
Color									
Bottom									

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0099345 **Received** : 11 Jul 2023
Lab Number : 05895432 **Diagnosed** : 13 Jul 2023
Unique Number : 10551242 **Diagnostician** : Don Baldrige
Test Package : IND 1

KraftHeinz - Kirksville - Plant 8333 PCA
 2504 INDUSTRIAL DR
 KIRKSVILLE, MO
 US 63501
 Contact: WALLACE WARD
 wallace.ward@kraftheinzcompany.com
 T: (660)627-1031
 F: (660)627-5887

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)