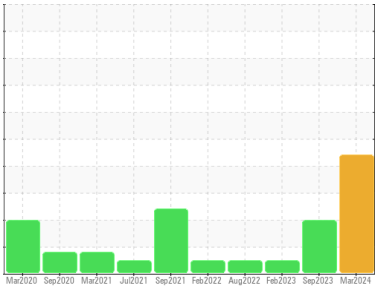
OIL ANALYSIS REPORT

Sample Rating Trend



DIRT

Area
LEGACY [98810770]
Machine Id
KR-HA-005546 - TRIMMER 1 SMALL (S/N HAM PACK - 10105268)
Component
Gear Reducer
Fluid
SCHAEFFER 294 SUPREME GEAR LUBE ISO 460 (--- GAL)

DIAGNOSIS

Recommendation
We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. (Customer Sample Comment: 98810770)

Wear
The copper level is abnormal. All other component wear rates are normal.

Contamination
There is a high amount of particulates present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material.

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		**PCA0116657**	PCA0091770	PCA0093095
Sample Date		Client Info		**14 Mar 2024**	05 Sep 2023	26 Feb 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				**ABNORMAL**	ATTENTION	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	**NEG**	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>150	**23**	1	2
Chromium	ppm	ASTM D5185m	>10	**<1**	0	0
Nickel	ppm	ASTM D5185m	>10	**<1**	0	0
Titanium	ppm	ASTM D5185m		**3**	0	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>25	**3**	<1	0
Lead	ppm	ASTM D5185m	>100	**<1**	2	0
Copper	ppm	ASTM D5185m	>50	▲ **86**	2	34
Tin	ppm	ASTM D5185m	>10	**7**	0	2
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	124	**0**	7	3
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m	306	**8**	33	99
Manganese	ppm	ASTM D5185m		**<1**	<1	0
Magnesium	ppm	ASTM D5185m	0	**3**	2	0
Calcium	ppm	ASTM D5185m	23	**212**	18	24
Phosphorus	ppm	ASTM D5185m	1100	**555**	526	543
Zinc	ppm	ASTM D5185m	2	**5**	0	0
Sulfur	ppm	ASTM D5185m	25200	**953**	3639	5164

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	▲ **64**	4	7
Sodium	ppm	ASTM D5185m		**0**	0	0
Potassium	ppm	ASTM D5185m	>20	**1**	0	<1

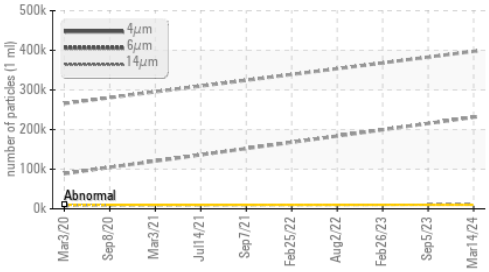
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	▲ **397470**	---	---
Particles >6µm		ASTM D7647	>2500	▲ **231295**	---	---
Particles >14µm		ASTM D7647	>640	▲ **10526**	---	---
Particles >21µm		ASTM D7647	>160	▲ **1304**	---	---
Particles >38µm		ASTM D7647	>40	**26**	---	---
Particles >71µm		ASTM D7647	>10	**2**	---	---
Oil Cleanliness		ISO 4406 (c)	>20/18/16	▲ **26/25/21**	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.54**	---	---

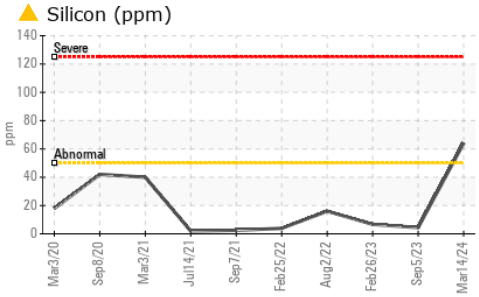
OIL ANALYSIS REPORT

OIL DIAGNOSTICS

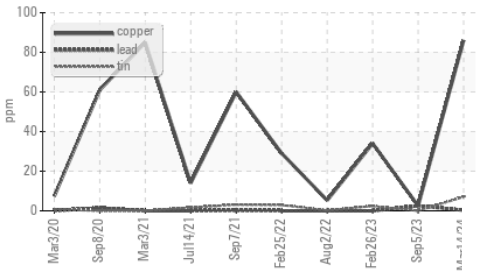
Particle Trend



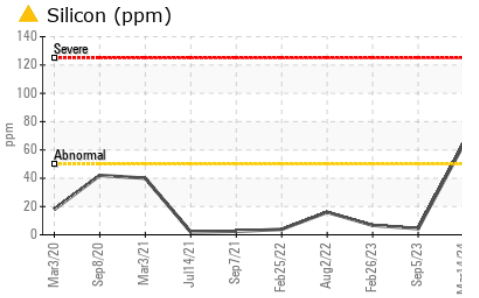
Silicon (ppm)



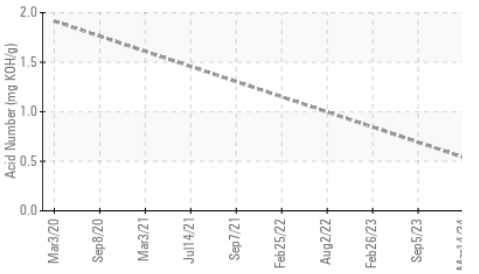
Non-ferrous Metals



Silicon (ppm)



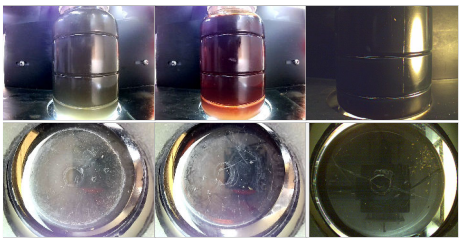
Acid Number



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**MODER**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	MODER
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**MODER**	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	>0.1	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

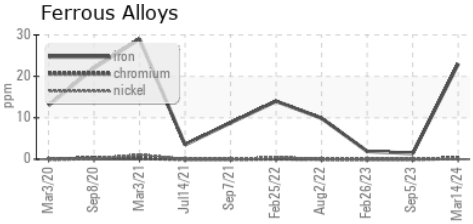
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	467.5	**440**	230.1	432

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

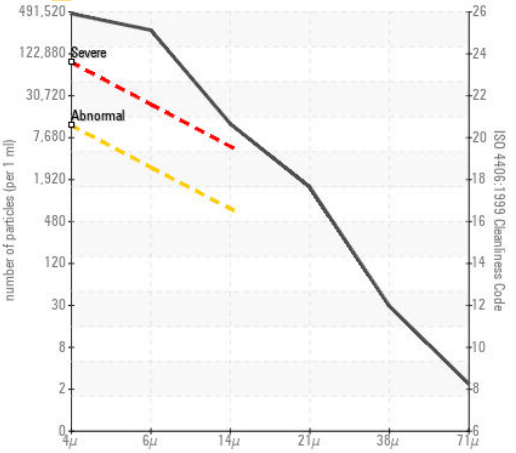


GRAPHS

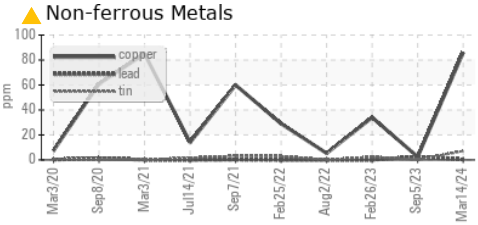
Ferrous Alloys



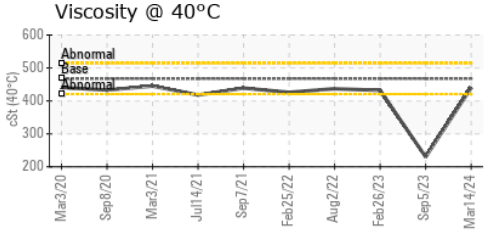
Particle Count



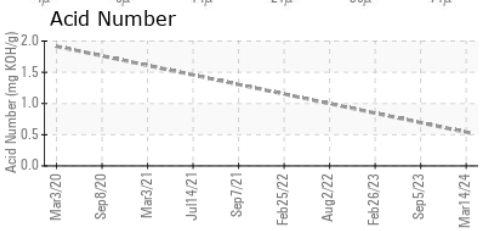
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0116657
Lab Number : 06133272
Unique Number : 10952737
Test Package : IND 2 (Additional Tests: PrtCount)

Received : 29 Mar 2024
Tested : 01 Apr 2024
Diagnosed : 03 Apr 2024 - Jonathan Hester

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)

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

Report Id: KRAKIR [WUSCAR] 06133272 (Generated: 04/03/2024 14:58:24) Rev: 1

Submitted By: Wilberto Pacheco Garcia