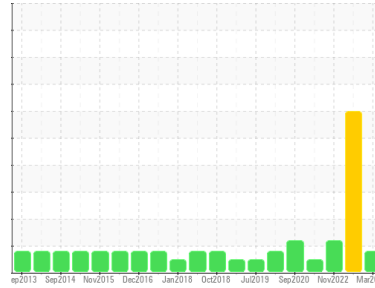


OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area
LINE 7
Machine Id
[LINE 7] L7 WRAPPER 9 L7 WRAPPER 9
Component
Gearbox
Fluid
{not provided} (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

The aluminum level has decreased, but is still abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0118558	PCA0098858	PCA0081406
Sample Date	Client Info	05 Mar 2024	07 Jun 2023	01 Nov 2022
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	SEVERE	ABNORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184	9	21	18
Iron	ppm ASTM D5185m >200	3	19	20
Chromium	ppm ASTM D5185m >15	<1	0	<1
Nickel	ppm ASTM D5185m >15	<1	0	0
Titanium	ppm ASTM D5185m	<1	0	<1
Silver	ppm ASTM D5185m	0	0	<1
Aluminum	ppm ASTM D5185m >25	▲ 45	▲ 170	▲ 143
Lead	ppm ASTM D5185m >100	<1	<1	<1
Copper	ppm ASTM D5185m >200	1	2	2
Tin	ppm ASTM D5185m >25	<1	<1	<1
Antimony	ppm ASTM D5185m >5	---	---	---
Vanadium	ppm ASTM D5185m	<1	<1	<1
Cadmium	ppm ASTM D5185m	<1	0	<1

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	0	0	<1
Barium	ppm ASTM D5185m	<1	0	15
Molybdenum	ppm ASTM D5185m	<1	0	0
Manganese	ppm ASTM D5185m	<1	0	<1
Magnesium	ppm ASTM D5185m	<1	4	4
Calcium	ppm ASTM D5185m	91	1889	1653
Phosphorus	ppm ASTM D5185m	457	610	593
Zinc	ppm ASTM D5185m	42	808	725
Sulfur	ppm ASTM D5185m	1135	1171	1244

CONTAMINANTS

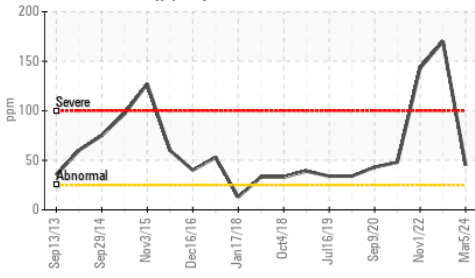
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	8	16	16
Sodium	ppm ASTM D5185m	0	2	<1
Potassium	ppm ASTM D5185m >20	<1	1	1

FLUID DEGRADATION

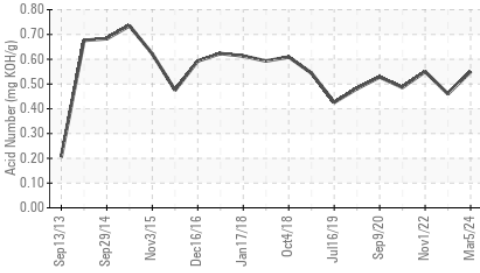
method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	0.55	0.46	0.55

OIL ANALYSIS REPORT

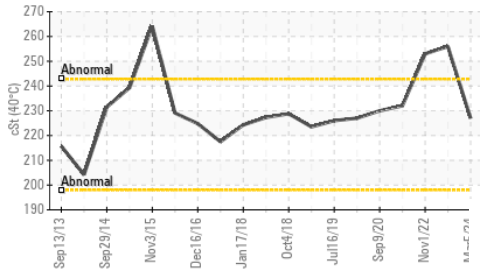
▲ Aluminum (ppm)



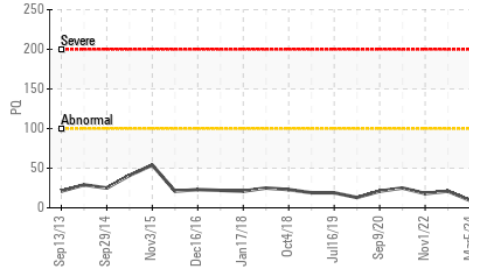
Acid Number



Viscosity @ 40°C



PQ



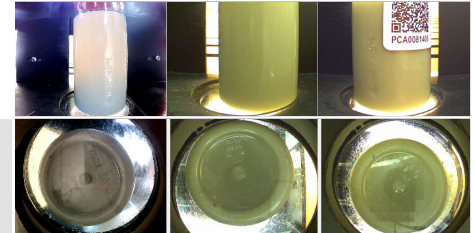
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	227	256	▲ 253

SAMPLE IMAGES	method	limit/base	current	history1	history2
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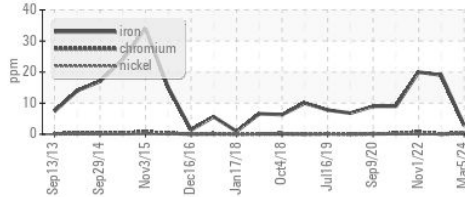
Color

Bottom

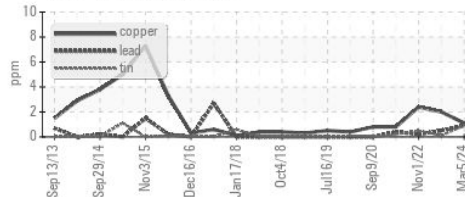


GRAPHS

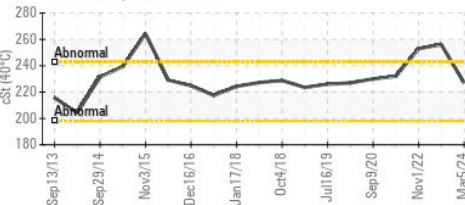
Ferrous Alloys



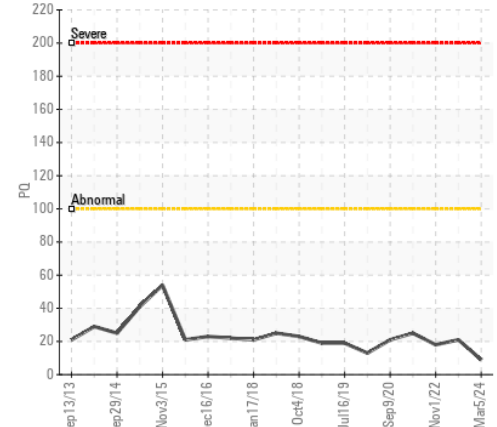
Non-ferrous Metals



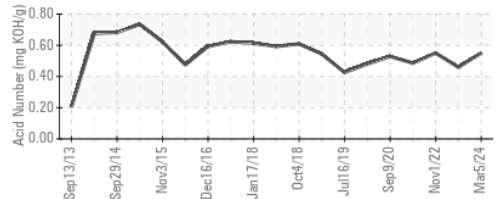
Viscosity @ 40°C



PQ



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : PCA0118558

Lab Number : 06129522

Unique Number : 10943673

Test Package : IND 2 (Additional Tests: PQ)

Received : 26 Mar 2024

Tested : 27 Mar 2024

Diagnosed : 29 Mar 2024 - Don Baldrige

THE HERSHEY COMPANY

WEST HERSHEY - TECHNICAL ASSURANCE, 1033 OLDE WEST CHOCOLATE

HERSHEY, PA

US 17033

Contact: CLINTON ZOHNER

clintzohner@hersheys.com

T: (717)374-4846

F: (717)374-4594

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)