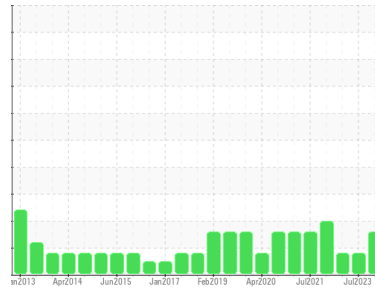


OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area

LINE 7

Machine Id

[LINE 7] L7 WRAPPER 21 L7 WRAPPER 21

Component

Gearbox

Fluid

{not provided} (--- QTS)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

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

Contamination

Appearance is milky. 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 suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0122322	PCA0078619	PCA0075454
Sample Date	Client Info		23 Apr 2024	14 Jul 2023	04 Oct 2022
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	ABNORMAL	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		51	38	28
Iron	ppm	ASTM D5185m >200	66	68	63
Chromium	ppm	ASTM D5185m >15	2	<1	1
Nickel	ppm	ASTM D5185m >15	<1	0	0
Titanium	ppm	ASTM D5185m	<1	<1	<1
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	▲ 197	▲ 201	▲ 120
Lead	ppm	ASTM D5185m >100	<1	0	<1
Copper	ppm	ASTM D5185m >200	5	5	4
Tin	ppm	ASTM D5185m >25	<1	0	<1
Antimony	ppm	ASTM D5185m >5	---	---	---
Vanadium	ppm	ASTM D5185m	<1	<1	0
Cadmium	ppm	ASTM D5185m	<1	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0
Barium	ppm	ASTM D5185m	12	8	10
Molybdenum	ppm	ASTM D5185m	<1	0	<1
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m	7	8	8
Calcium	ppm	ASTM D5185m	3184	3121	2955
Phosphorus	ppm	ASTM D5185m	602	599	575
Zinc	ppm	ASTM D5185m	1394	1314	1206
Sulfur	ppm	ASTM D5185m	1583	1540	1525

CONTAMINANTS

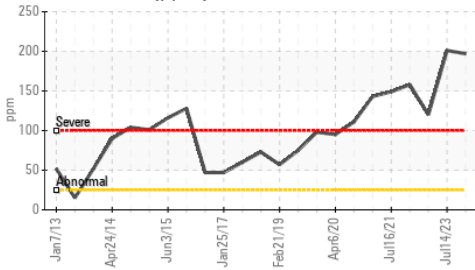
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	25	25	23
Sodium	ppm	ASTM D5185m	5	4	1
Potassium	ppm	ASTM D5185m >20	2	0	0

FLUID DEGRADATION

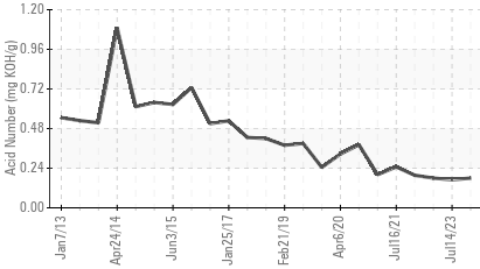
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.18	0.17	0.18

OIL ANALYSIS REPORT

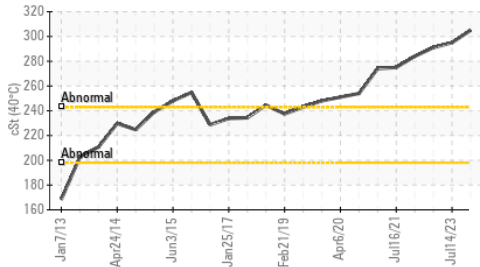
Aluminum (ppm)



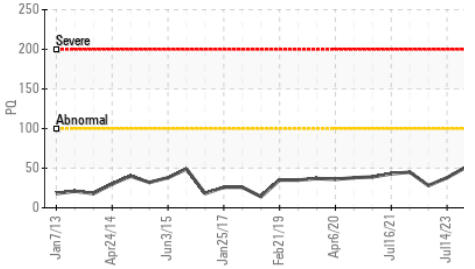
Acid Number



Viscosity @ 40°C



PQ



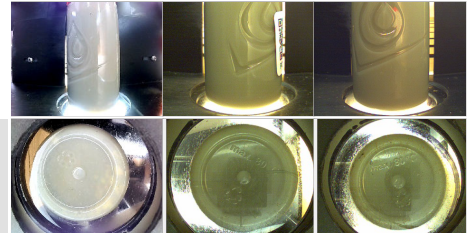
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	MILKY	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	305	295	291

SAMPLE IMAGES	method	limit/base	current	history1	history2
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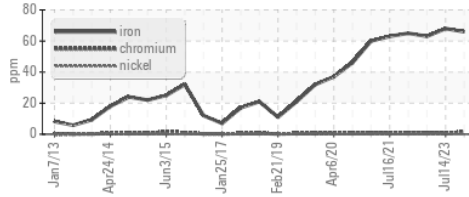
Color

Bottom

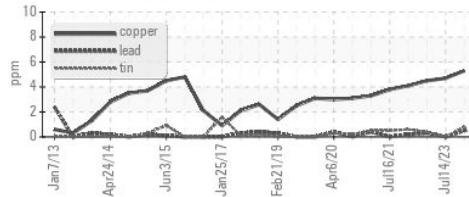


GRAPHS

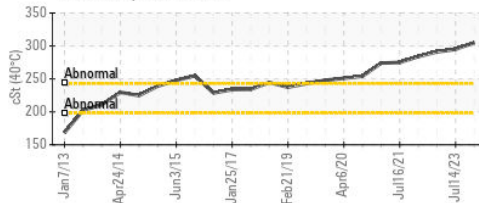
Ferrous Alloys



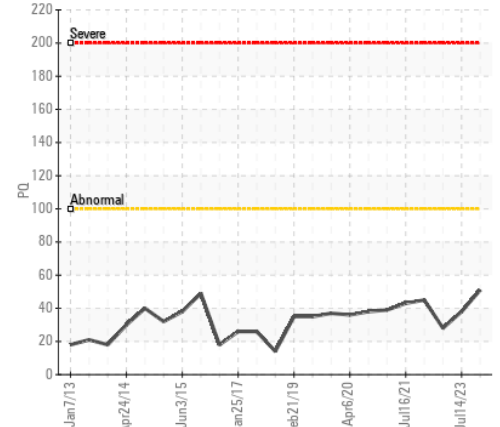
Non-ferrous Metals



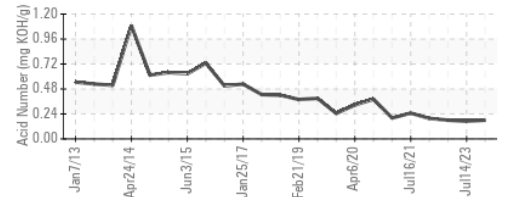
Viscosity @ 40°C



PQ



Acid Number



Certificate L2367

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

Sample No. : PCA0122322

Lab Number : 06159277

Unique Number : 10994700

Test Package : IND 2 (Additional Tests: PQ)

Received : 24 Apr 2024

Tested : 25 Apr 2024

Diagnosed : 26 Apr 2024 - Jonathan Hester

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)