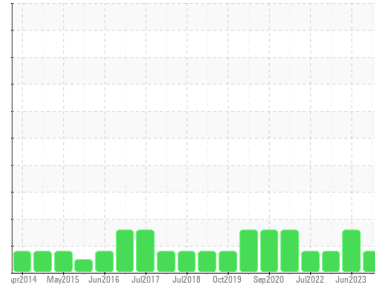


OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area
LINE 6
 Machine Id
[LINE 6] L6 WRAPPER 13 L6 WRAPPER 13
 Component
Gearbox
 Fluid
{not provided} (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

The aluminum level is 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 suitable for further service.

SAMPLE INFORMATION method limit/base current history1 history2

Sample Number	Client Info	PCA0118556	PCA0093729	PCA0081405
Sample Date	Client Info	18 Mar 2024	21 Jun 2023	14 Nov 2022
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	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
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WEAR METALS method limit/base current history1 history2

PQ	ASTM D8184		49	40	31
Iron	ppm	ASTM D5185m >200	51	46	43
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	▲ 275	▲ 257	▲ 120
Lead	ppm	ASTM D5185m >100	1	<1	<1
Copper	ppm	ASTM D5185m >200	7	6	6
Tin	ppm	ASTM D5185m >25	1	<1	<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	0
Barium	ppm	ASTM D5185m	15	12	13
Molybdenum	ppm	ASTM D5185m	<1	0	<1
Manganese	ppm	ASTM D5185m	1	<1	<1
Magnesium	ppm	ASTM D5185m	8	7	8
Calcium	ppm	ASTM D5185m	3953	3752	3564
Phosphorus	ppm	ASTM D5185m	657	609	591
Zinc	ppm	ASTM D5185m	1664	1546	1441
Sulfur	ppm	ASTM D5185m	1730	1830	1616

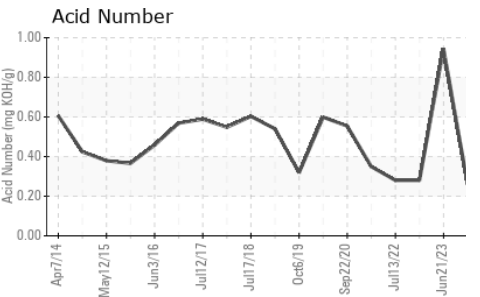
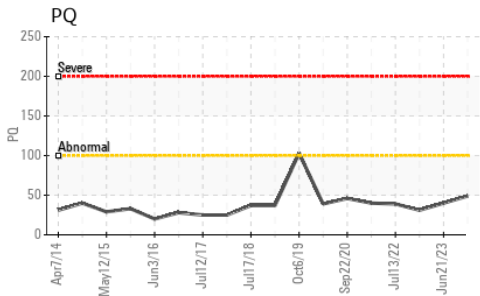
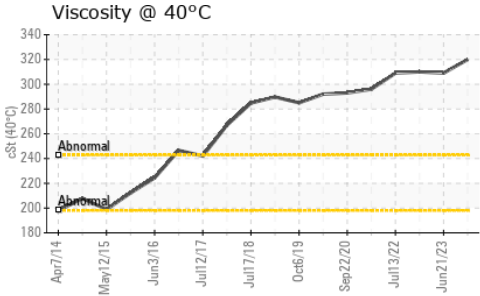
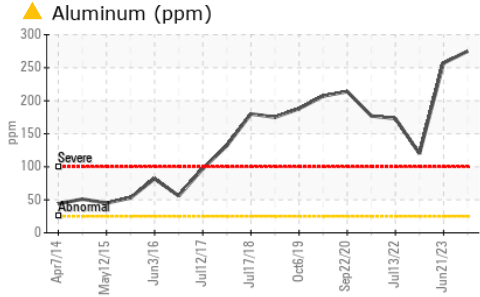
CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185m >50	28	31	22
Sodium	ppm	ASTM D5185m	1	0	3
Potassium	ppm	ASTM D5185m >20	3	3	0

FLUID DEGRADATION method limit/base current history1 history2

Acid Number (AN)	mg KOH/g	ASTM D8045	0.26	0.945	0.28
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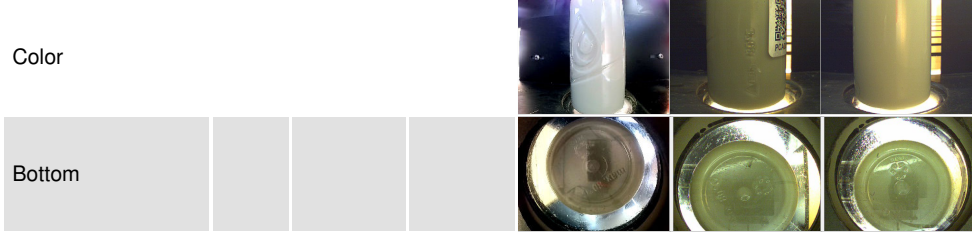
OIL ANALYSIS REPORT



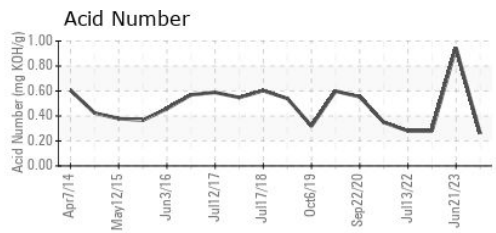
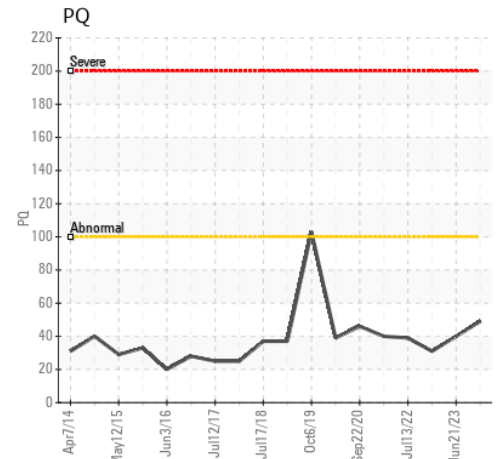
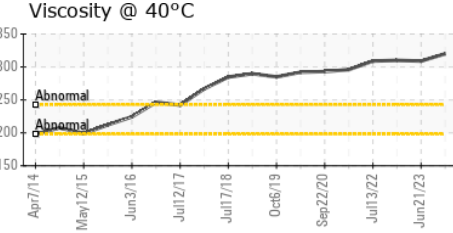
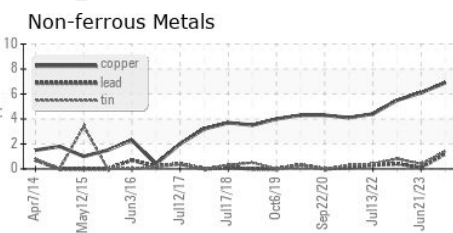
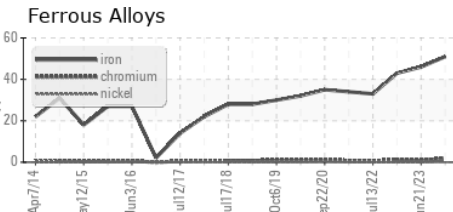
PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	320	309	310

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0118556 **Received** : 26 Mar 2024
Lab Number : 06129520 **Tested** : 27 Mar 2024
Unique Number : 10943671 **Diagnosed** : 29 Mar 2024 - Don Baldrige
Test Package : IND 2 (Additional Tests: PQ)

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)