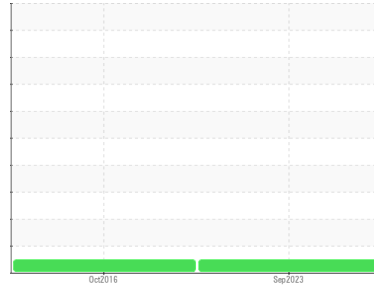


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
LINE 1
 Machine Id
[LINE 1] LINE 1 TRAIN 2 LINE 1 TRAIN 2
 Component
Gearbox
 Fluid
GEAR OIL (PAG) ISO 220 (--- GAL)

DIAGNOSIS

Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL (PAG) ISO 220. Please confirm.
 NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All 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		PCA0093728	PCAI26365	---
Sample Date	Client Info		14 Sep 2023	19 Oct 2016	---
Machine Age	hrs	Client Info	0	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			NORMAL	NORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		11	30.0	---
Iron	ppm	ASTM D5185m >200	1	26	---
Chromium	ppm	ASTM D5185m >15	0	<1	---
Nickel	ppm	ASTM D5185m >15	0	<1	---
Titanium	ppm	ASTM D5185m	0	0	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >25	<1	1	---
Lead	ppm	ASTM D5185m >100	0	0	---
Copper	ppm	ASTM D5185m >200	<1	124	---
Tin	ppm	ASTM D5185m >25	0	<1	---
Antimony	ppm	ASTM D5185m >5	---	0	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 5	0	0	---
Barium	ppm	ASTM D5185m 5	0	2	---
Molybdenum	ppm	ASTM D5185m 5	0	0	---
Manganese	ppm	ASTM D5185m	0	0	---
Magnesium	ppm	ASTM D5185m 5	0	0	---
Calcium	ppm	ASTM D5185m 5	0	1	---
Phosphorus	ppm	ASTM D5185m 775	449	565	---
Zinc	ppm	ASTM D5185m 5	0	82	---
Sulfur	ppm	ASTM D5185m 2000	918	606	---

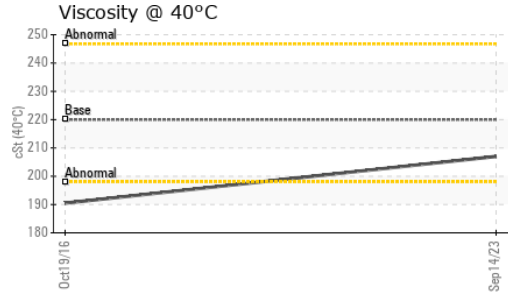
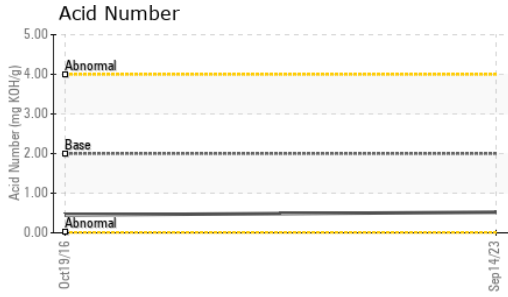
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<1	6	---
Sodium	ppm	ASTM D5185m	0	<1	---
Potassium	ppm	ASTM D5185m >20	<1	<1	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 2.00	0.52	0.451	---

OIL ANALYSIS REPORT


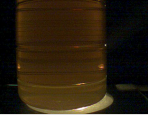


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	220	207	190.5	---



SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color

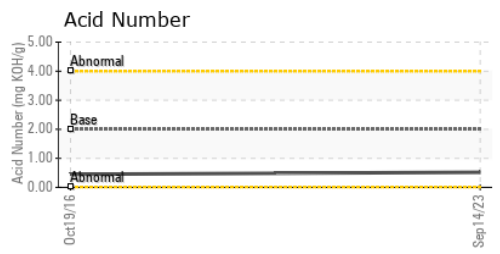
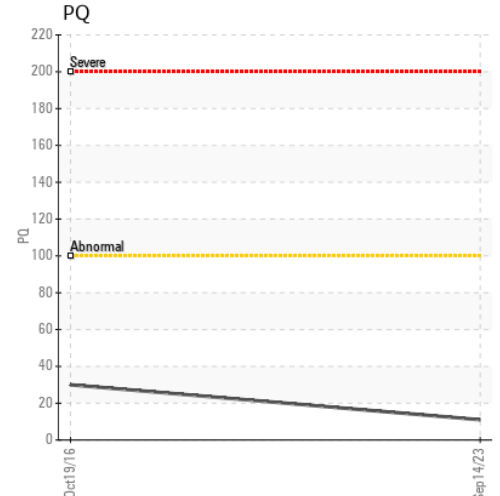
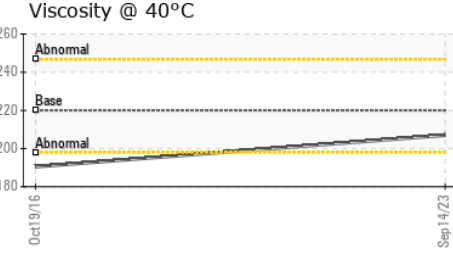
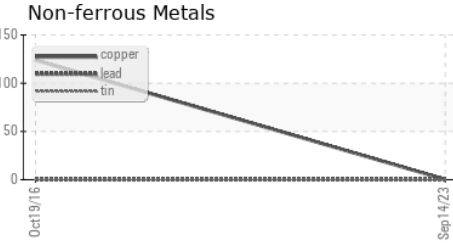
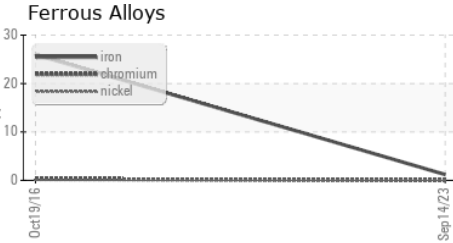
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Bottom

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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0093728 **Received** : 02 Oct 2023
Lab Number : 05966469 **Diagnosed** : 03 Oct 2023
Unique Number : 10673020 **Diagnostician** : Wes Davis
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)