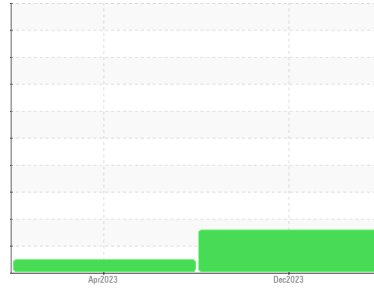


# OIL ANALYSIS REPORT

## Sample Rating Trend



**SEDIMENT**



Area  
**[908104471]**  
 Machine Id  
**[ ] 10082339 10082339**  
 Component  
**Gearbox**  
 Fluid  
**NOT GIVEN (--- GAL)**

### DIAGNOSIS

#### ▲ Recommendation

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

#### Wear

All component wear rates are normal.

#### ▲ Contamination

Appearance is milky. There is a high amount of visible silt present in the sample.

#### 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			<b>PCA0106465</b>	PCA0096189	---
Sample Date	Client Info			<b>06 Dec 2023</b>	24 Apr 2023	---
Machine Age	hrs	Client Info		<b>0</b>	0	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed	Client Info			<b>N/A</b>	N/A	---
Sample Status				<b>ABNORMAL</b>	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.2	<b>NEG</b>	NEG	---

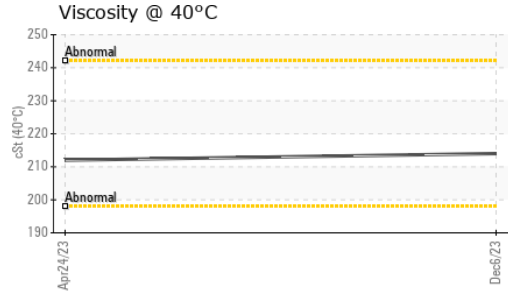
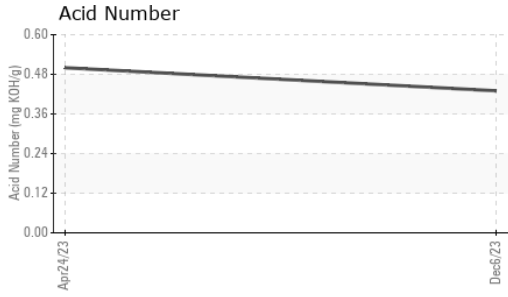
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		<b>11</b>	12	---
Iron	ppm	ASTM D5185m	>200	<b>2</b>	4	---
Chromium	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>15	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>12</b>	12	---
Lead	ppm	ASTM D5185m	>100	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>200	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185m	>25	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	0	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>0</b>	2	---
Calcium	ppm	ASTM D5185m		<b>87</b>	66	---
Phosphorus	ppm	ASTM D5185m		<b>401</b>	451	---
Zinc	ppm	ASTM D5185m		<b>24</b>	37	---
Sulfur	ppm	ASTM D5185m		<b>812</b>	995	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>20</b>	18	---
Sodium	ppm	ASTM D5185m		<b>0</b>	<1	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	2	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.43</b>	0.50	---

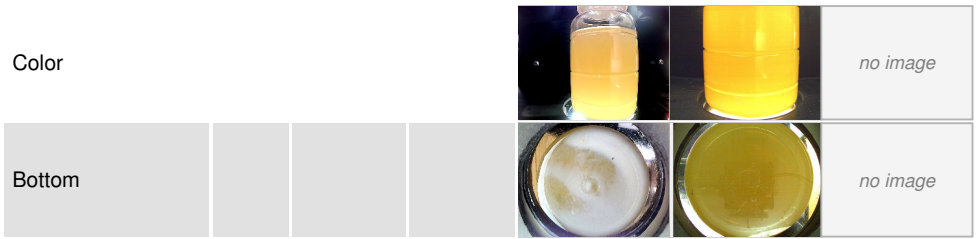
# OIL ANALYSIS REPORT



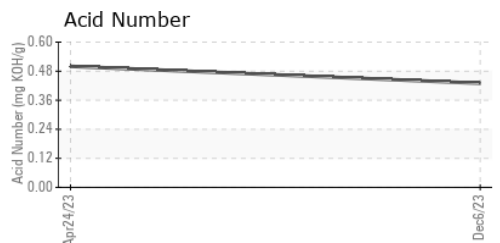
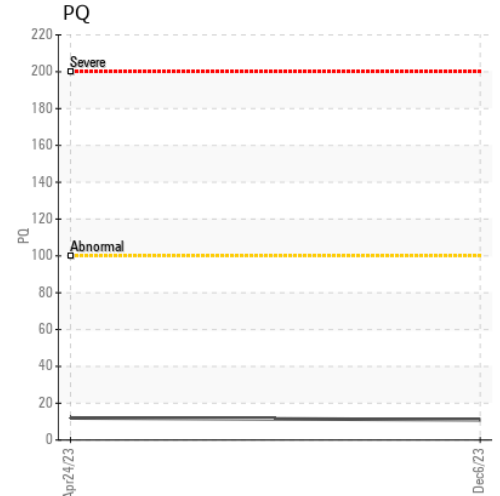
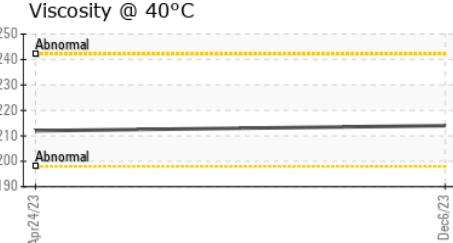
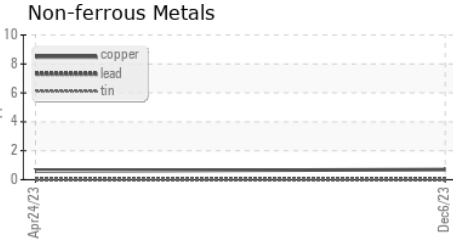
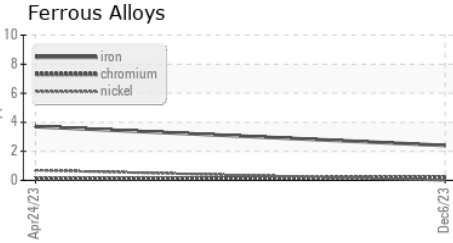
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	▲ <b>HEAVY</b>	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>214</b>	212	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0106465 **Recieved** : 18 Dec 2023  
**Lab Number** : 06038723 **Diagnosed** : 20 Dec 2023  
**Unique Number** : 10793952 **Diagnostician** : 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)