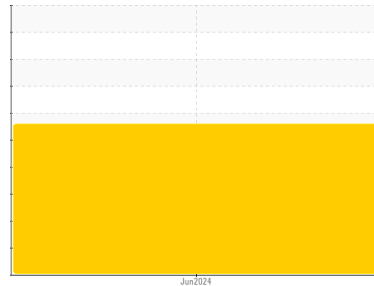




# PROBLEM SUMMARY

Sample Rating Trend

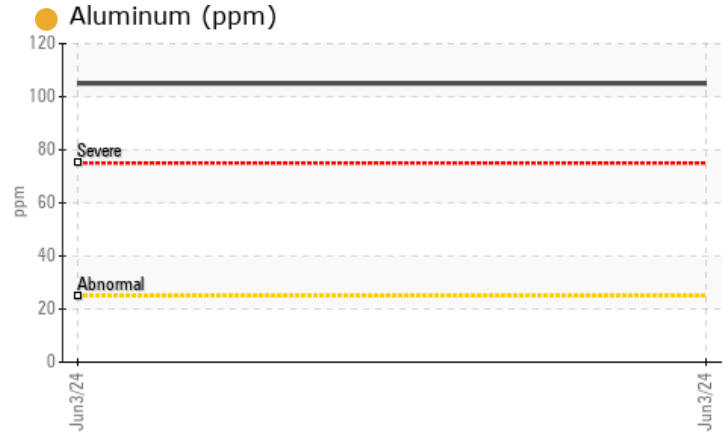
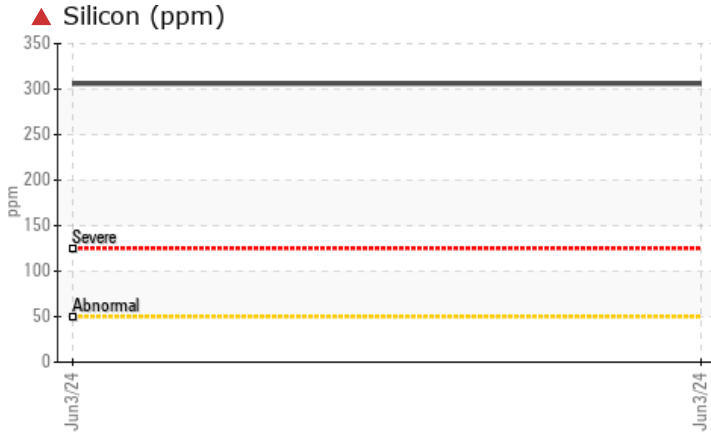


**DIRT**



Machine Id  
**EISENBEISS L-5**  
 Component  
**Reduction Gear**  
 Fluid  
**MOBIL SHC 632 (--- GAL)**

## COMPONENT CONDITION SUMMARY



## RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend an early resample to monitor this condition.

## PROBLEMATIC TEST RESULTS

Sample Status				<b>SEVERE</b>	---	---
Silicon	ppm	ASTM D5185m	>50	▲ 306	---	---

Customer Id: DIAPLALA  
 Sample No.: WC0906973  
 Lab Number: 06214878  
 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

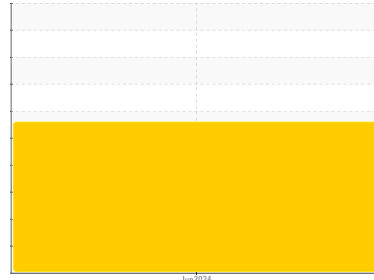
Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Dirt Access	---	---	?	We advise that you check all areas where dirt can enter the system.

## HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Sample Rating Trend



**DIRT**



Machine Id  
**EISENBEISS L-5**  
 Component  
**Reduction Gear**  
 Fluid  
**MOBIL SHC 632 (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

We advise that you check all areas where dirt can enter the system. We recommend an early resample to monitor this condition.

### ● Wear

All component wear rates are normal.

### ▲ Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

### Fluid Condition

The AN level is acceptable for this fluid.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0906973</b>	---	---
Sample Date	Client Info		<b>03 Jun 2024</b>	---	---
Machine Age	mths	Client Info	<b>0</b>	---	---
Oil Age	mths	Client Info	<b>22</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>SEVERE</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		<b>21</b>	---	---
Iron	ppm	ASTM D5185m >150	<b>195</b>	---	---
Chromium	ppm	ASTM D5185m >10	<b>1</b>	---	---
Nickel	ppm	ASTM D5185m >10	<b>3</b>	---	---
Titanium	ppm	ASTM D5185m	<b>8</b>	---	---
Silver	ppm	ASTM D5185m	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m >25	● <b>105</b>	---	---
Lead	ppm	ASTM D5185m >100	<b>0</b>	---	---
Copper	ppm	ASTM D5185m >50	<b>0</b>	---	---
Tin	ppm	ASTM D5185m >10	<b>&lt;1</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Barium	ppm	ASTM D5185m	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m	<b>0</b>	---	---
Manganese	ppm	ASTM D5185m	<b>3</b>	---	---
Magnesium	ppm	ASTM D5185m	<b>54</b>	---	---
Calcium	ppm	ASTM D5185m	<b>83</b>	---	---
Phosphorus	ppm	ASTM D5185m	<b>456</b>	---	---
Zinc	ppm	ASTM D5185m	<b>0</b>	---	---
Sulfur	ppm	ASTM D5185m	<b>172</b>	---	---

## CONTAMINANTS

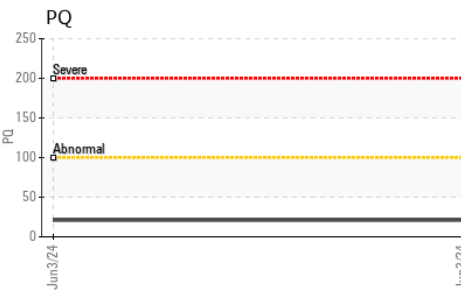
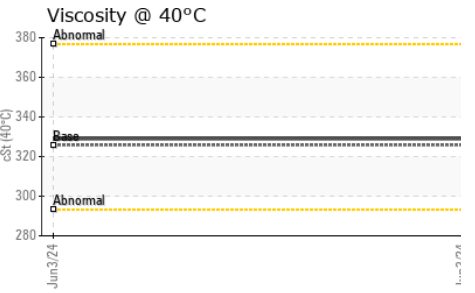
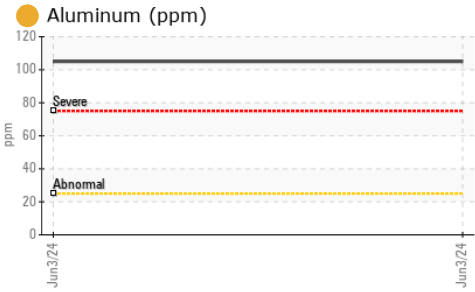
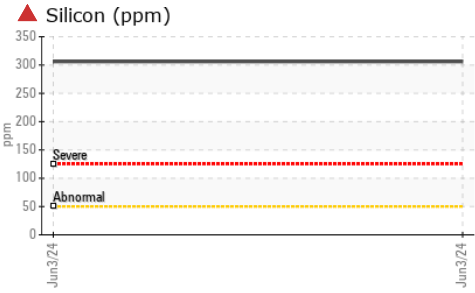
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	▲ <b>306</b>	---	---
Sodium	ppm	ASTM D5185m	<b>30</b>	---	---
Potassium	ppm	ASTM D5185m >20	<b>6</b>	---	---
Water	%	ASTM D6304 >0.1	<b>NEG</b>	---	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.47</b>	---	---





# OIL ANALYSIS REPORT



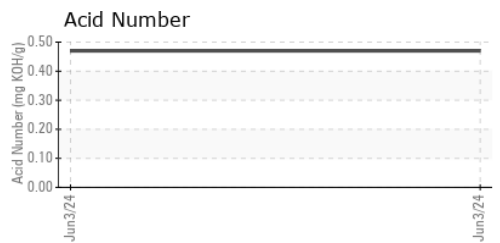
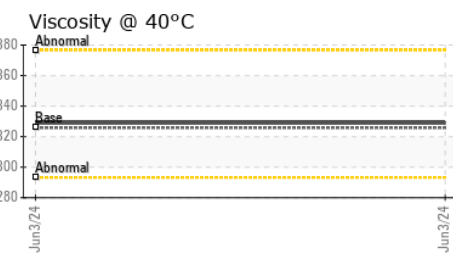
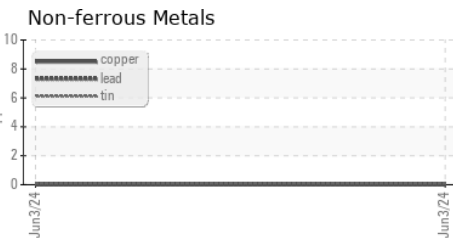
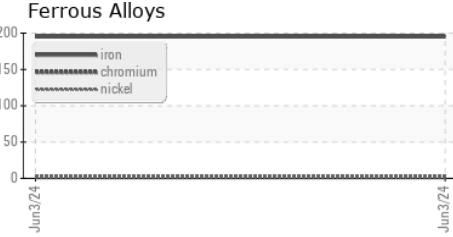
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	325.8	329	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color		no image	no image
Bottom		no image	no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0906973      **Received** : 19 Jun 2024  
**Lab Number** : 06214878      **Tested** : 21 Jun 2024  
**Unique Number** : 11087742      **Diagnosed** : 21 Jun 2024 - Don Baldrige  
**Test Package** : PLANT

**DIAMOND PLASTICS**  
 59005 JOHN BRITTON PKWY  
 PLAQUEMINE, LA  
 US 70764  
 Contact: EARL WILBANKS  
 ewilbanks@dpcpipe.com  
 T: (225)687-7786  
 F: (225)687-0741

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)