

# OIL ANALYSIS REPORT

**Sample Rating Trend**

**NORMAL**


Machine Id  
**GENCOR VIRGIN FEEDER 2**  
 Component  
**Gearbox**  
 Fluid  
**GEAR OIL ISO 220 (5 GAL)**

**DIAGNOSIS**
**Recommendation**

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 ISO 220. Please confirm. Please specify the component make and model with your 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	<b>PCA0087871</b>	---	---
Sample Date	Client Info	<b>04 Mar 2024</b>	---	---
Machine Age	yrs Client Info	<b>4</b>	---	---
Oil Age	yrs Client Info	<b>2</b>	---	---
Oil Changed	Client Info	<b>Changed</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

**CONTAMINATION**

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

**WEAR METALS**

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >200	<b>0</b>	---	---
Chromium	ppm ASTM D5185m >10	<b>0</b>	---	---
Nickel	ppm ASTM D5185m >10	<b>0</b>	---	---
Titanium	ppm ASTM D5185m	<b>0</b>	---	---
Silver	ppm ASTM D5185m	<b>0</b>	---	---
Aluminum	ppm ASTM D5185m >25	<b>0</b>	---	---
Lead	ppm ASTM D5185m >50	<b>0</b>	---	---
Copper	ppm ASTM D5185m >200	<b>0</b>	---	---
Tin	ppm ASTM D5185m >10	<b>&lt;1</b>	---	---
Vanadium	ppm ASTM D5185m	<b>0</b>	---	---
Cadmium	ppm ASTM D5185m	<b>0</b>	---	---

**ADDITIVES**

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 50	<b>76</b>	---	---
Barium	ppm ASTM D5185m 15	<b>0</b>	---	---
Molybdenum	ppm ASTM D5185m 15	<b>0</b>	---	---
Manganese	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Magnesium	ppm ASTM D5185m 50	<b>1</b>	---	---
Calcium	ppm ASTM D5185m 50	<b>0</b>	---	---
Phosphorus	ppm ASTM D5185m 350	<b>281</b>	---	---
Zinc	ppm ASTM D5185m 100	<b>0</b>	---	---
Sulfur	ppm ASTM D5185m 12500	<b>7490</b>	---	---

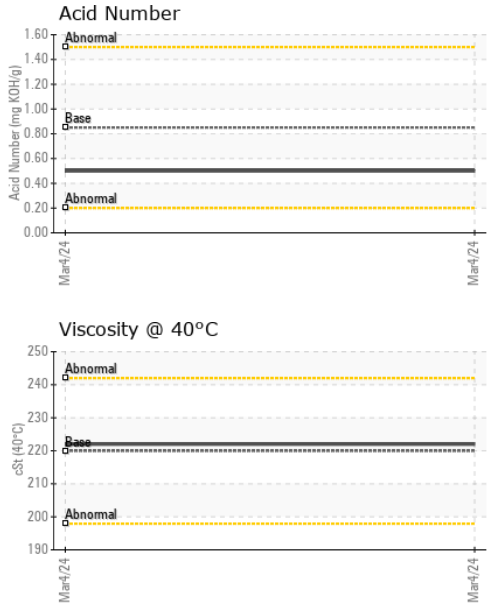
**CONTAMINANTS**

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	<b>8</b>	---	---
Sodium	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Potassium	ppm ASTM D5185m >20	<b>0</b>	---	---

**FLUID DEGRADATION**

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045 0.85	<b>0.50</b>	---	---



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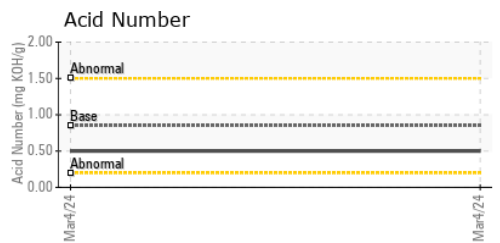
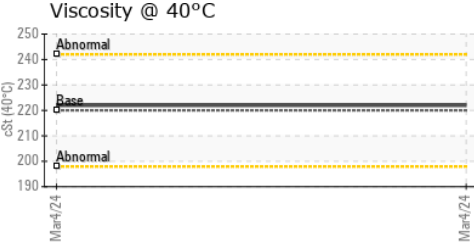
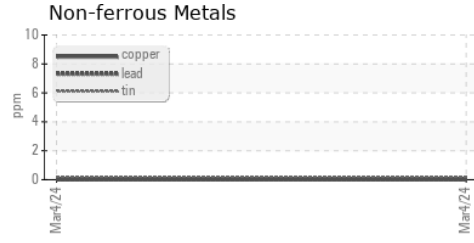
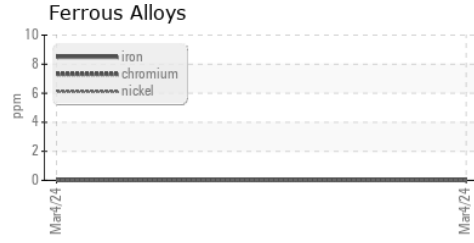
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
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	<b>222</b>	---	---

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

GRAPHS
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**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0087871      **Received** : 08 Apr 2024  
**Lab Number** : **06142390**      **Tested** : 09 Apr 2024  
**Unique Number** : 10967198      **Diagnosed** : 09 Apr 2024 - Wes Davis  
**Test Package** : IND 2

**KARTECHNERS**  
 N11829 COUNTY RD I  
 WAUPUN, WI  
 US 53963  
 Contact: DAVE KARTECHNER  
 dave@kartechnerbrothers.com

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)