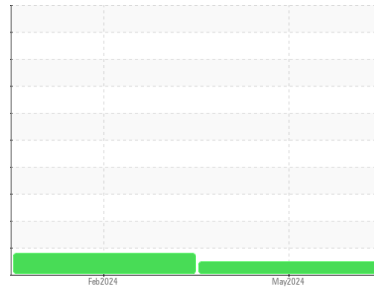




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**PGWS 150**

Machine Id

**LE ROI HUM-VRU-191A - MARKEST ENERGY**

Component

**Compressor**

## 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 LS 80W90. Please confirm.

### 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>UCH06195535</b>	UCH06104413	---
Sample Date	Client Info			<b>29 May 2024</b>	23 Feb 2024	---
Machine Age	hrs	Client Info		<b>0</b>	45924	---
Oil Age	hrs	Client Info		<b>0</b>	1552	---
Oil Changed	Client Info			<b>N/A</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.1	<b>NEG</b>	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>29</b>	▲ 127	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	1	---
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	2	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	6	---
Lead	ppm	ASTM D5185m	>25	<b>0</b>	1	---
Copper	ppm	ASTM D5185m	>50	<b>0</b>	3	---
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	<1	---

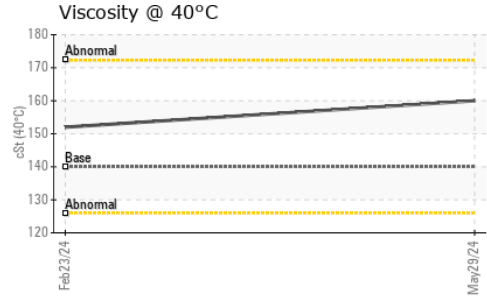
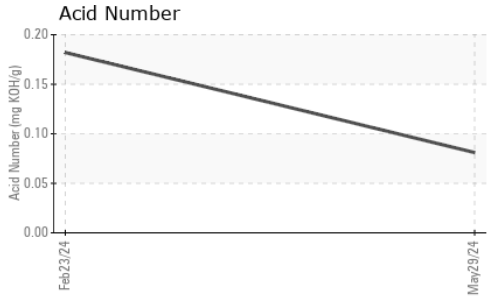
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	150	<b>0</b>	1	---
Barium	ppm	ASTM D5185m		<b>0</b>	4	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	1	---
Magnesium	ppm	ASTM D5185m	10	<b>2</b>	3	---
Calcium	ppm	ASTM D5185m	70	<b>&lt;1</b>	7	---
Phosphorus	ppm	ASTM D5185m	2000	<b>1018</b>	1536	---
Zinc	ppm	ASTM D5185m	50	<b>0</b>	9	---
Sulfur	ppm	ASTM D5185m	20000	<b>5391</b>	9581	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>&lt;1</b>	11	---
Sodium	ppm	ASTM D5185m		<b>6</b>	28	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	3	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.081</b>	0.182	---



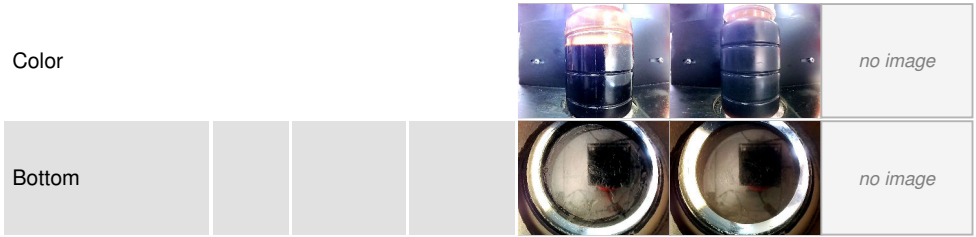
# OIL ANALYSIS REPORT



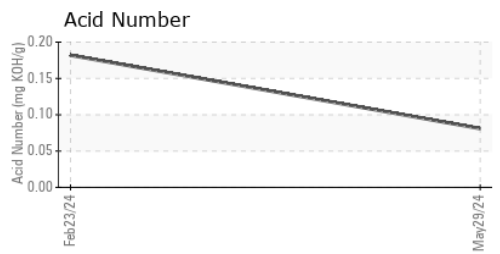
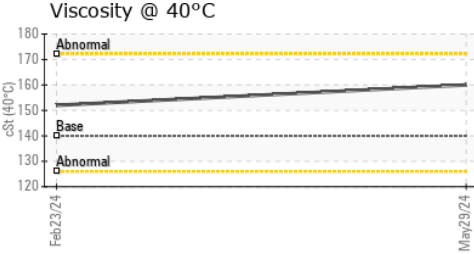
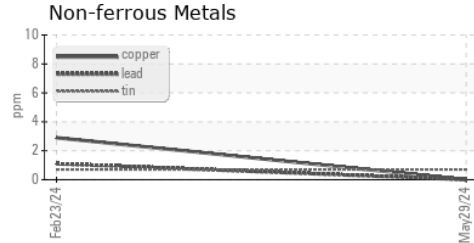
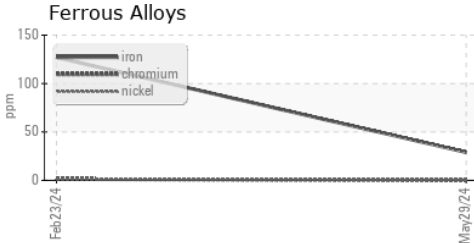
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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	140	160	152

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06195535      **Received** : 30 May 2024  
**Lab Number** : 06195535      **Tested** : 31 May 2024  
**Unique Number** : 11057658      **Diagnosed** : 31 May 2024 - Wes Davis  
**Test Package** : IND 2

**PPC LUBRICANTS**  
 150 BONNIE DR  
 BUTLER, PA  
 US 16001  
 Contact: SHAWN SMITH  
 ssmith@ppclubricants.com  
 T: (888)437-5823  
 F: (866)789-5823

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)