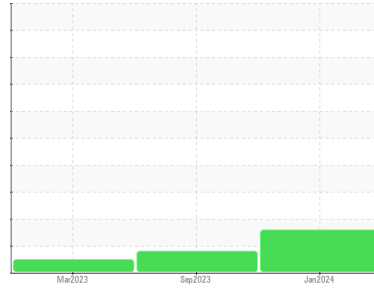




OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area
PGWS 150

Machine Id
LE ROI HUM-VRU-191B - MARKEST ENERGY

Component
Compressor

DIAGNOSIS

▲ Recommendation

We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

▲ Contamination

There is a moderate concentration of water present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		UCH06058795	UCH06040649	UCH05812769
Sample Date	Client Info		05 Jan 2024	27 Sep 2023	21 Mar 2023
Machine Age	hrs	Client Info	40509	40274	39448
Oil Age	hrs	Client Info	95	2587	1761
Oil Changed	Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status			ATTENTION	ABNORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	20	▲ 74	27
Chromium	ppm	ASTM D5185m >10	<1	<1	0
Nickel	ppm	ASTM D5185m	<1	<1	<1
Titanium	ppm	ASTM D5185m	<1	<1	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	2	3	<1
Lead	ppm	ASTM D5185m >25	0	0	0
Copper	ppm	ASTM D5185m >50	<1	0	<1
Tin	ppm	ASTM D5185m >15	<1	0	<1
Vanadium	ppm	ASTM D5185m	0	<1	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 150	0	2	0
Barium	ppm	ASTM D5185m	0	6	0
Molybdenum	ppm	ASTM D5185m	0	0	0
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m 10	<1	<1	2
Calcium	ppm	ASTM D5185m 70	<1	4	15
Phosphorus	ppm	ASTM D5185m 2000	1087	1083	1189
Zinc	ppm	ASTM D5185m 50	0	0	4
Sulfur	ppm	ASTM D5185m 20000	1950	2686	3518

CONTAMINANTS

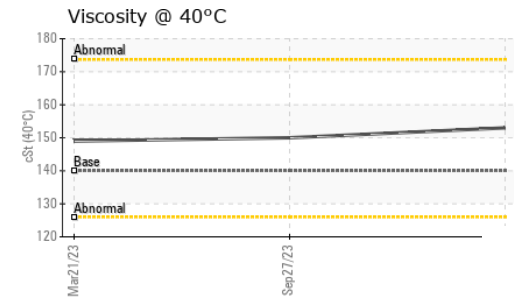
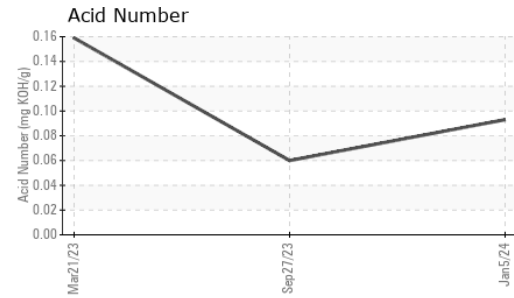
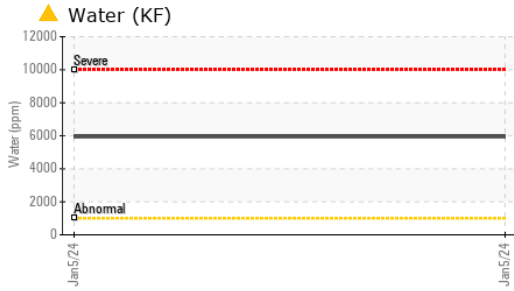
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<1	1	1
Sodium	ppm	ASTM D5185m	16	34	13
Potassium	ppm	ASTM D5185m >20	2	2	2
Water	%	ASTM D6304 >0.1	▲ 0.594	---	---
ppm Water	ppm	ASTM D6304 >1000	▲ 5940	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.093	0.06	0.159



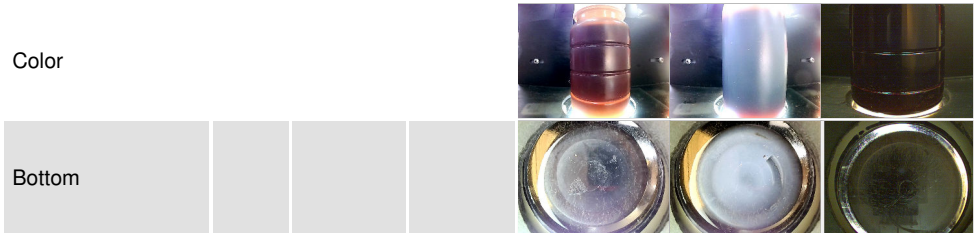
OIL ANALYSIS REPORT



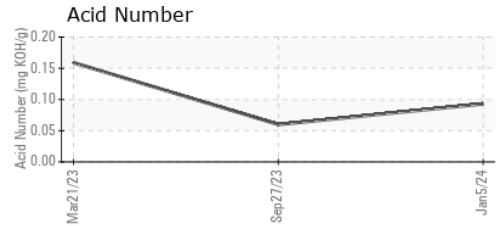
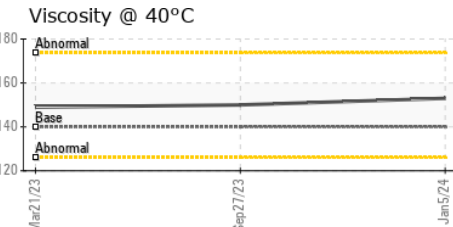
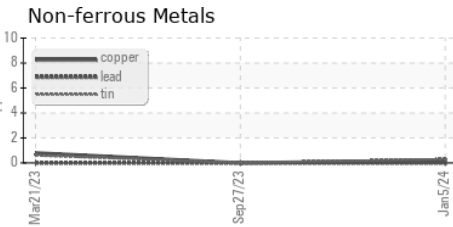
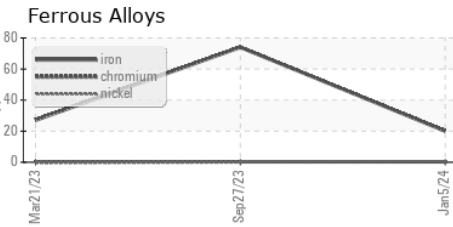
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	▲ 0.2%	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	140	153	150

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH06058795 **Received** : 11 Jan 2024
Lab Number : 06058795 **Diagnosed** : 14 Jan 2024
Unique Number : 10830177 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF)

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)

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