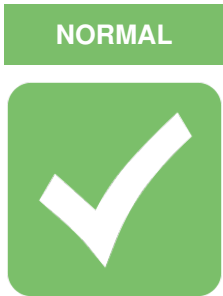
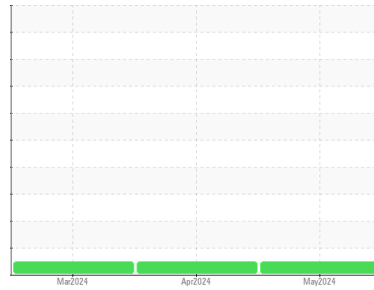




# OIL ANALYSIS REPORT

Area  
**QUANTUM**  
 Machine Id  
**4205**  
 Component  
**Compressor**  
 Fluid  
**LO-ASH ENGINE OIL SAE 30 (--- GAL)**

### Sample Rating Trend



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>AO0000398</b>	AO0000397	AO0000394
Sample Date	Client Info			<b>07 May 2024</b>	05 Apr 2024	04 Mar 2024
Machine Age	hrs	Client Info		<b>39309</b>	37652	0
Oil Age	hrs	Client Info		<b>6086</b>	5428	4429
Oil Changed	Client Info			<b>Filtered</b>	Filtered	Filtered
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

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

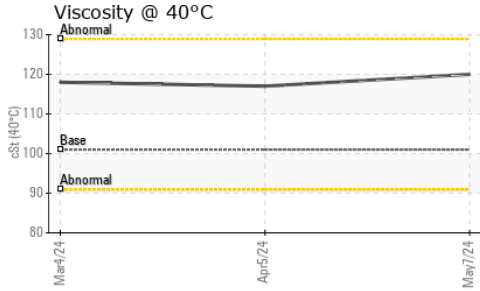
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>&lt;1</b>	3	1
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m		<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	1	1
Lead	ppm	ASTM D5185m	>25	<b>4</b>	4	4
Copper	ppm	ASTM D5185m	>50	<b>6</b>	9	7
Tin	ppm	ASTM D5185m	>15	<b>1</b>	<1	2
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	37	<b>4</b>	5	4
Barium	ppm	ASTM D5185m	12	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	200	<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m	5	<b>11</b>	8	12
Calcium	ppm	ASTM D5185m	1600	<b>1176</b>	1160	1014
Phosphorus	ppm	ASTM D5185m	300	<b>300</b>	255	269
Zinc	ppm	ASTM D5185m	400	<b>323</b>	316	304
Sulfur	ppm	ASTM D5185m	2600	<b>2851</b>	2735	2323

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>2</b>	1	2
Sodium	ppm	ASTM D5185m		<b>1</b>	2	1
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	<1

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

# OIL ANALYSIS REPORT



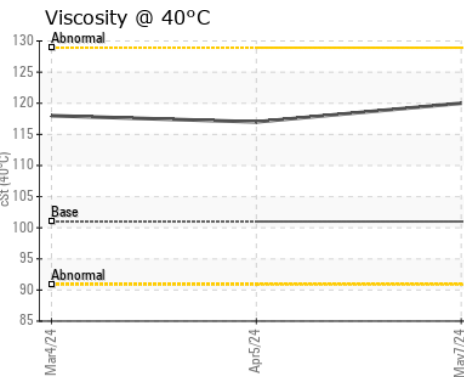
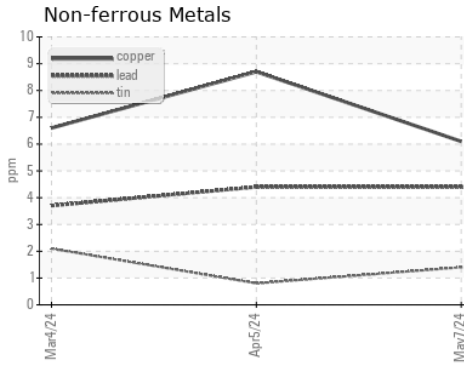
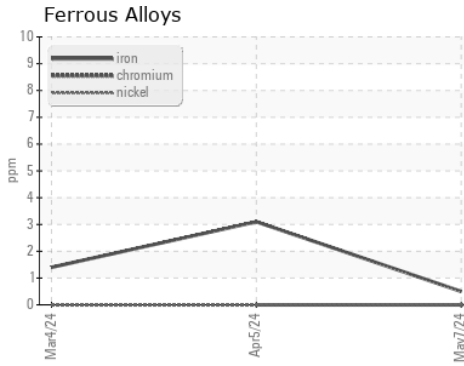
FLUID PROPERTIES	method	limit/base	current	history1	history2
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Visc @ 40°C	cSt	ASTM D445	101	<b>120</b>	117	118
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SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image	no image
Bottom				no image	no image	no image

GRAPHS
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Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : AO0000398  
**Lab Number** : **06175956**  
**Unique Number** : 11022009  
**Test Package** : FLEET

**Received** : 10 May 2024  
**Tested** : 12 May 2024  
**Diagnosed** : 14 May 2024 - Sean Felton

**MOMENTUM MIDSTREAM - LONGVIEW**  
 540 PR 2297  
 LONGVIEW, TX  
 US 75604  
 Contact: KEVIN MILLER  
 kevin.miller@momentummidstream.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)

T:  
F: