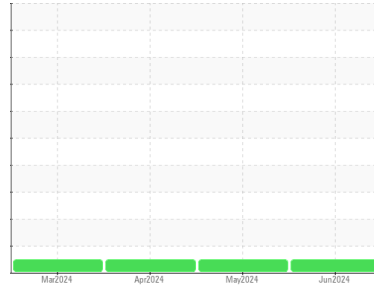




# OIL ANALYSIS REPORT

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 fluid.
- Fluid Condition**  
 The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>AO0000400</b>	AO0000398	AO0000397
Sample Date	Client Info			<b>05 Jun 2024</b>	07 May 2024	05 Apr 2024
Machine Age	hrs Client Info			<b>39947</b>	39309	37652
Oil Age	hrs Client Info			<b>6724</b>	6086	5428
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

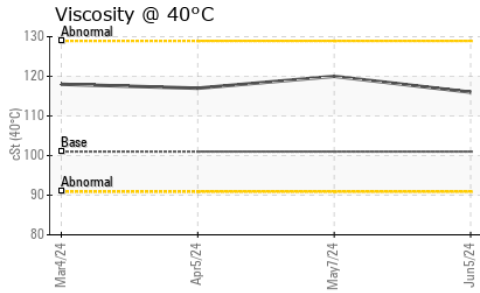
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>1</b>	<1	3
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m		<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	<1	1
Lead	ppm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

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	37	<b>6</b>	4	5
Barium	ppm	ASTM D5185m	12	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	200	<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m	5	<b>11</b>	11	8
Calcium	ppm	ASTM D5185m	1600	<b>1189</b>	1176	1160
Phosphorus	ppm	ASTM D5185m	300	<b>284</b>	300	255
Zinc	ppm	ASTM D5185m	400	<b>344</b>	323	316
Sulfur	ppm	ASTM D5185m	2600	<b>2938</b>	2851	2735

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

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



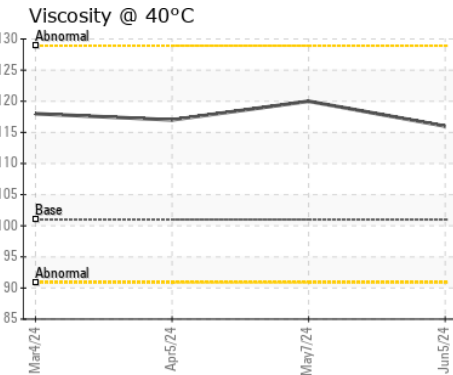
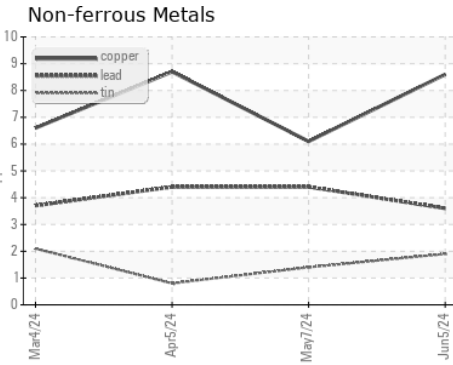
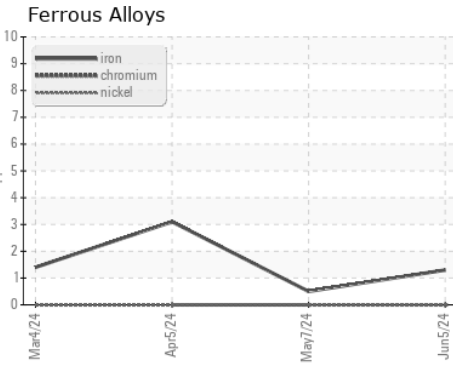
FLUID PROPERTIES	method	limit/base	current	history1	history2
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Visc @ 40°C	cSt	ASTM D445	101	<b>116</b>	120	117
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SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				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.** : AO0000400  
**Lab Number** : **06205221**  
**Unique Number** : 11072682  
**Test Package** : FLEET

**Received** : 10 Jun 2024  
**Tested** : 12 Jun 2024  
**Diagnosed** : 12 Jun 2024 - Doug Bogart

**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: