



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**MATEC MEGALITH PRESS BRICK PRESS**

Component  
**Hydraulic System**

Fluid  
 {not provided} (--- GAL)

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PTK0005613</b>	PTK0005350	---
Sample Date		Client Info		<b>21 May 2024</b>	21 Mar 2024	---
Machine Age	hrs	Client Info		<b>0</b>	0	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	<b>2</b>	0	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Lead	ppm	ASTM D5185m	>10	<b>1</b>	0	---
Copper	ppm	ASTM D5185m	>75	<b>2</b>	<1	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

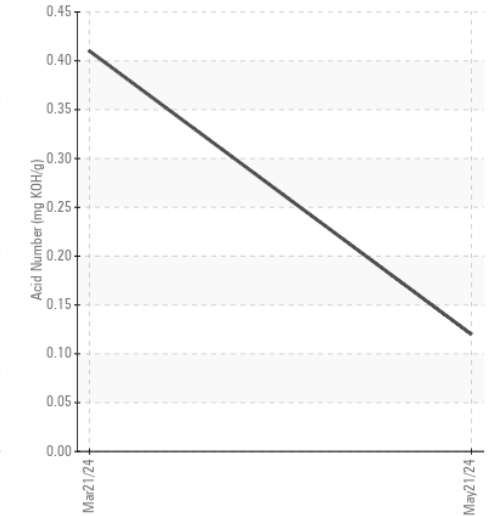
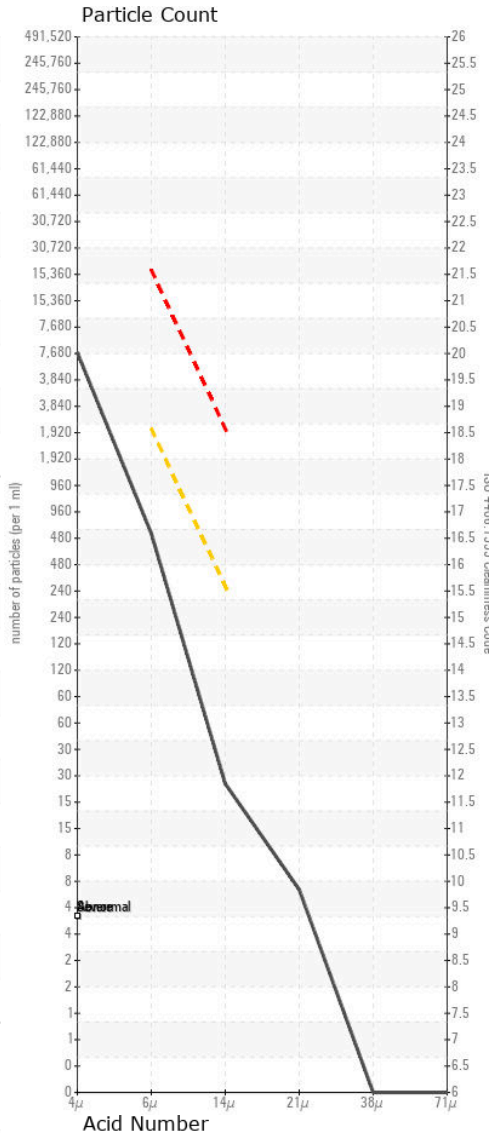
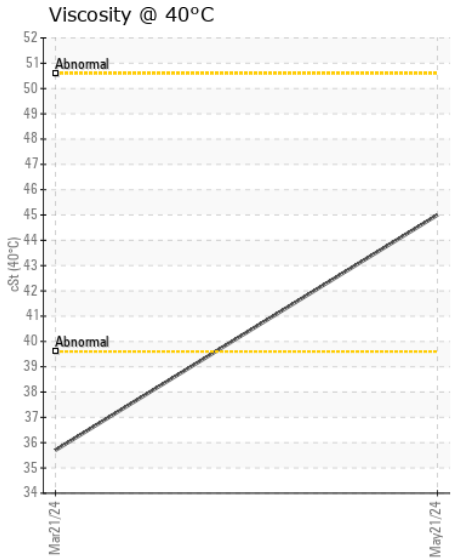
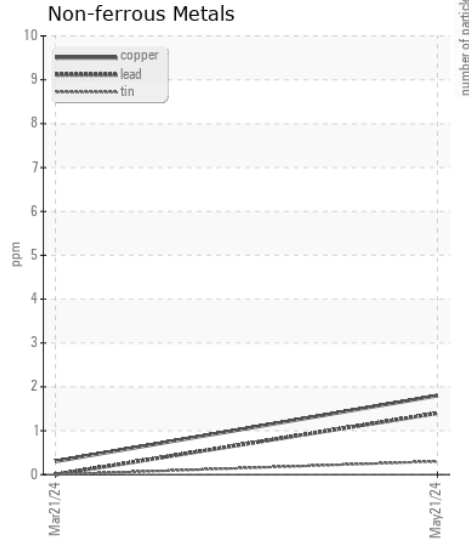
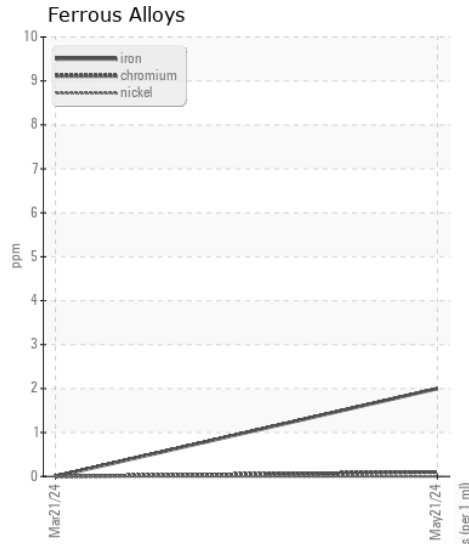
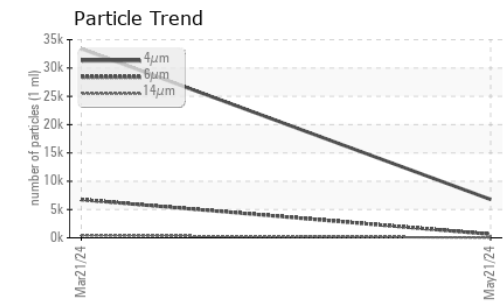
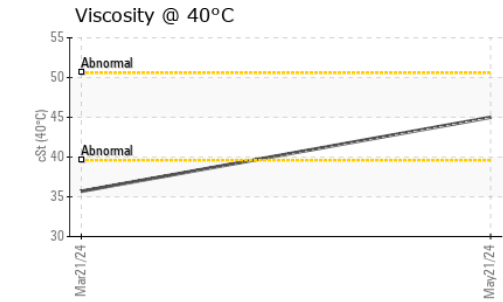
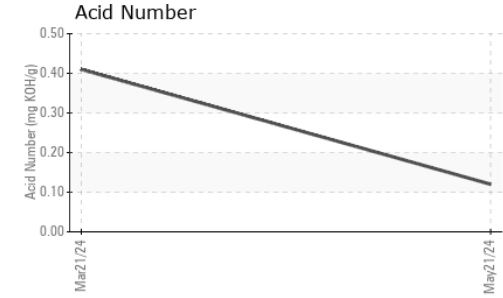
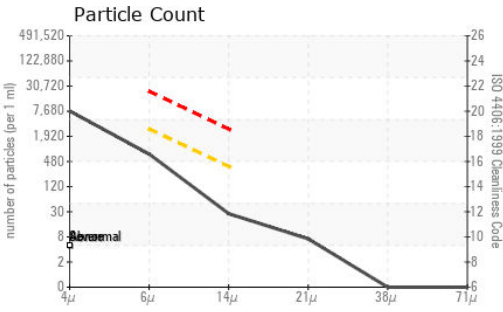
The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>20	<b>1</b>	<1	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	0	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Particles >4µm		ASTM D7647		<b>6778</b>	▲ 33411	---
Particles >6µm		ASTM D7647	>2500	<b>635</b>	▲ 6732	---
Particles >14µm		ASTM D7647	>320	<b>24</b>	▲ 415	---
Particles >21µm		ASTM D7647	>80	<b>6</b>	▲ 113	---
Particles >38µm		ASTM D7647	>20	<b>0</b>	4	---
Particles >71µm		ASTM D7647	>4	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>18/15	<b>16/12</b>	▲ 22/20/16	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	---
Debris	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	---

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>2</b>	<1	---
Boron	ppm	ASTM D5185m		<b>0</b>	0	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>3</b>	0	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>1</b>	0	---
Calcium	ppm	ASTM D5185m		<b>111</b>	64	---
Phosphorus	ppm	ASTM D5185m		<b>461</b>	386	---
Zinc	ppm	ASTM D5185m		<b>69</b>	334	---
Sulfur	ppm	ASTM D5185m		<b>2407</b>	1406	---
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.12</b>	0.41	---
Visc @ 40°C	cSt	ASTM D445		<b>45.0</b>	35.7	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : PTK0005613

**Lab Number** : 06193942

**Unique Number** : 11056065

**Test Package** : MOB 2

**Received** : 29 May 2024

**Tested** : 30 May 2024

**Diagnosed** : 31 May 2024 - Angela Borella

**MARTIN MARIETTA MG**

8000 ZACHARY LN N

MAPLE GROVE, MN

US 55369

Contact: GREGORY GEERS

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T:

F:

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)