



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

**Compressors [413780397]**

Machine Id

**High Stage, Mycom NH3 Piston - Maximo #6138 1000048424 (S/N 3622-240)**

Component

**Reciprocating Compressor**

Fluid

**MOBIL GARGOYLE ARTIC 300 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0910707</b>	WC0892342	WC0872183
Sample Date		Client Info		<b>09 May 2024</b>	15 Feb 2024	23 Nov 2023
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184*		<b>53</b>	53	55
Iron	ppm	ASTM D5185(m)	>50	<b>37</b>	▲ 79	▲ 51
Chromium	ppm	ASTM D5185(m)	>10	<b>1</b>	2	2
Nickel	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	2	1
Lead	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	2	1
Copper	ppm	ASTM D5185(m)	>50	<b>13</b>	15	9
Tin	ppm	ASTM D5185(m)	>15	<b>4</b>	10	6
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

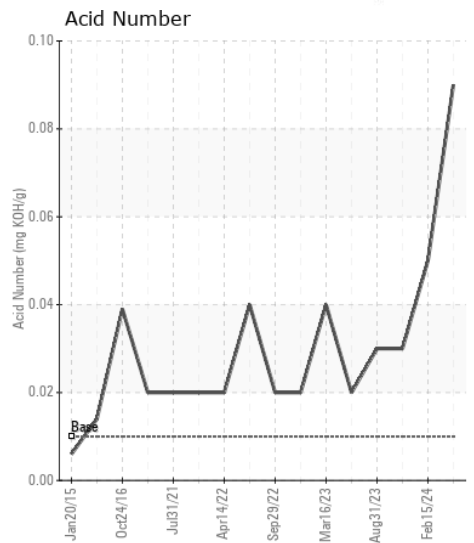
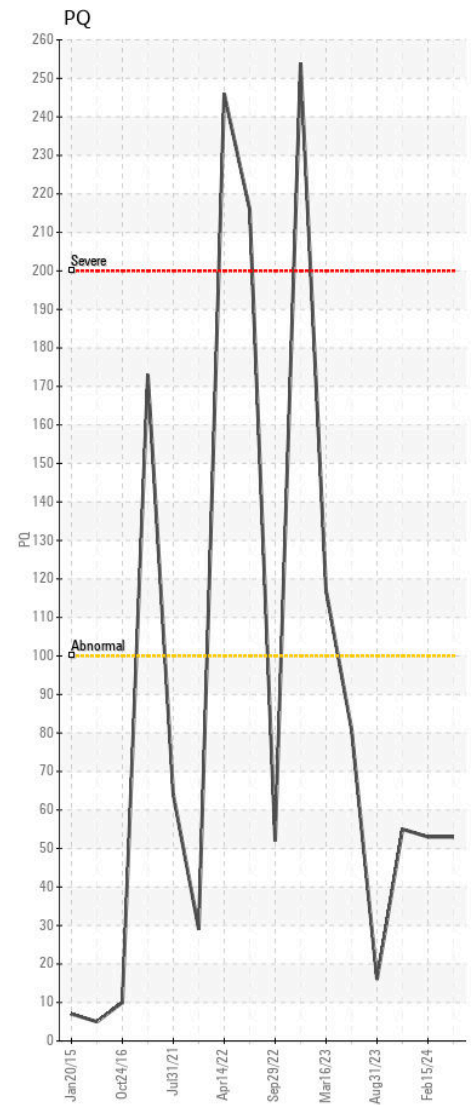
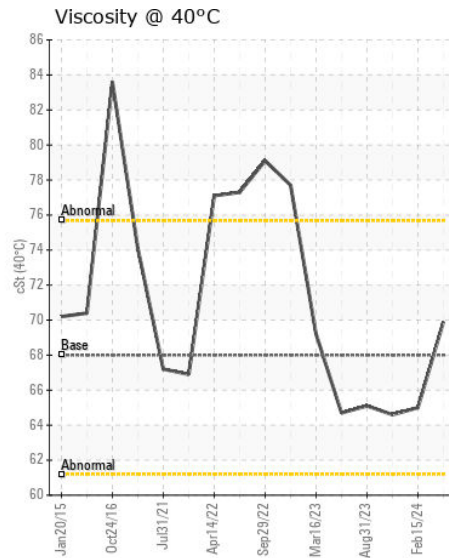
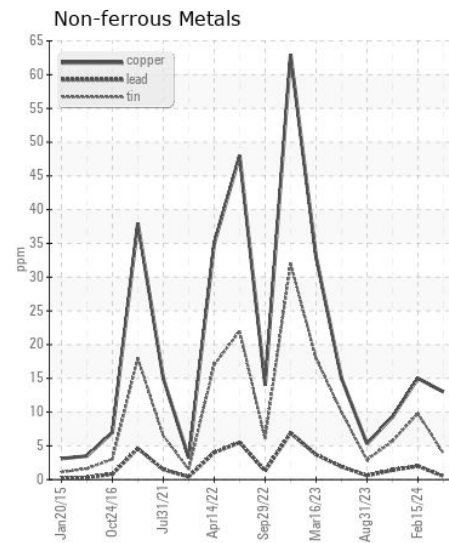
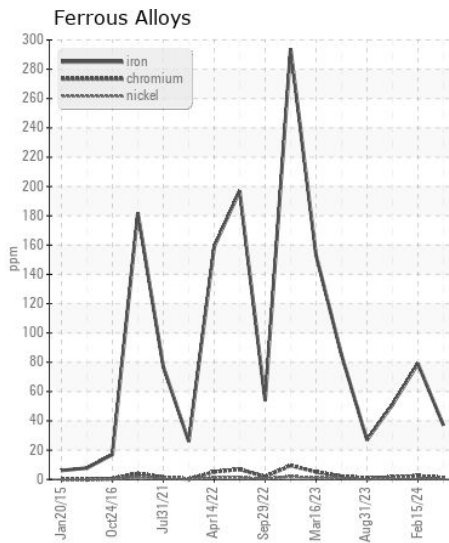
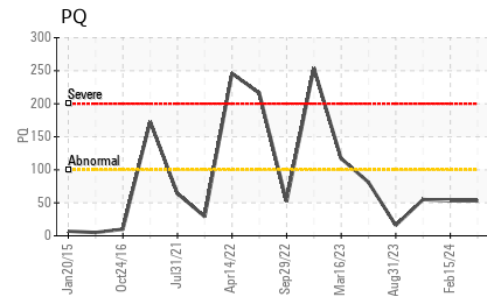
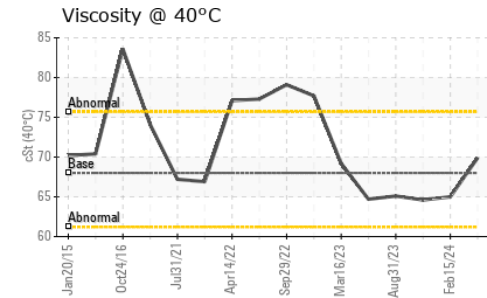
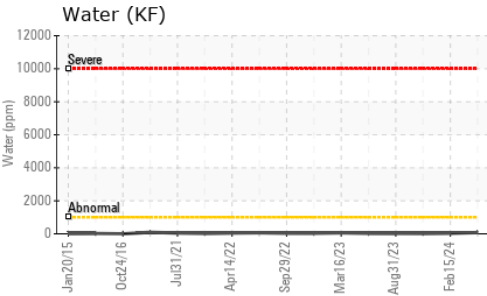
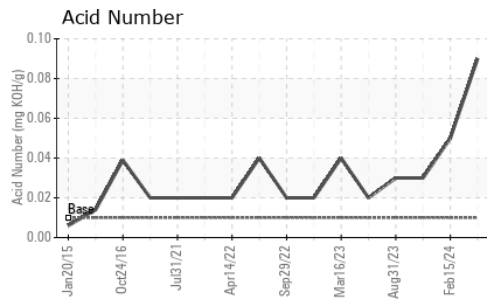
The water content is negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>0</b>	1	1
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	1	0
Water	%	ASTM D6304*	>0.1	<b>0.007</b>	0.003	0.001
ppm Water	ppm	ASTM D6304*	>1000	<b>76</b>	33	6
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	<b>VLITE</b>	VLITE	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>	.2%	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	<1
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	0
Calcium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Phosphorus	ppm	ASTM D5185(m)		<b>0</b>	0	0
Zinc	ppm	ASTM D5185(m)		<b>3</b>	2	1
Sulfur	ppm	ASTM D5185(m)		<b>157</b>	153	156
Acid Number (AN)	mg KOH/g	ASTM D974*	0.01	<b>0.09</b>	0.05	0.03
Visc @ 40°C	cSt	ASTM D7279(m)	68.0	<b>69.9</b>	65.0	64.6



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0910707  
**Lab Number** : 02635674  
**Unique Number** : 5776827  
**Test Package** : IND 2 ( Additional Tests: KF, TAN Man )

**Received** : 15 May 2024  
**Tested** : 16 May 2024  
**Diagnosed** : 16 May 2024 - Wes Davis

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

**Cargill Meat Solutions**

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