

## **OIL ANALYSIS REPORT**

Sample Rating Trend

NORMAL

### Area PG-46 [279671] MacMine Id QUINCY CAI430170 - YOUNG

Component Compressor

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

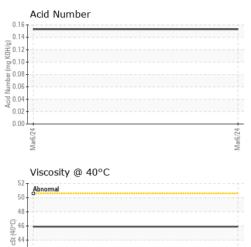
SAMPLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		UFD0000613		
Sample Date		Client Info		06 Mar 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	0		
Lead	ppm	ASTM D5185m	>25	0		
Copper	ppm	ASTM D5185m	>50	0		
Tin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		368		
Zinc	ppm	ASTM D5185m		56		
Sulfur	ppm	ASTM D5185m		0		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.153		



42 40 Abnorma

38 Mar6/24 -

# **OIL ANALYSIS REPORT**



Laboratory		1 Madiaa	Madison Ave., Cary, NC 27513 <b>Received</b> : 09 Apr 2024 <b>Tested</b> : 10 Apr 2024 <b>Diagnosed</b> : 11 Apr 2024 - Sean Felton <i>e at 1-800-237-1369.</i> 025 scope of accreditation.			FLUID-AIRE DYNAMICS 550 ALBION AVE SCHAUMBURG, IL US 60193 Contact: ED DIENER ed.diener@fluidairedynamics.com T: (847)678-8388		
	50 - Abnormal 50 - A			0.00 91.0 K0H(0) 90.0 Varies 90.0 Varies 9	Math.24		Mar6.24	
	Viscosity @ 40°C			Ma624	Acid Number			
	Ferrous Alloys	s		Ma6/24				
	Bottom					no image	no image	
Mar6/24	Color	5	method	IIIIIVDase		no image	history2 no image	
	Visc @ 40°C	cSt	ASTM D445		45.9			
	FLUID PROPERT	IES	method	limit/base	current	history1	history2	
	Free Water	scalar	*Visual	>0.1	NEG			
W	Odor	scalar	*Visual	NORML	NORML			
ar6/24	Appearance	scalar	*Visual	NORML	NORML			
	Silt	scalar	*Visual		NONE			
	Precipitate	scalar	*Visual	NONE	NONE			
	Mar6/24 +	Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water Fluid PROPERT Visc @ 40°C SAMPLE IMAGES Color Bottom GRAPHS Ferrous Alloys	White Metal scalar Yellow Metal scalar Precipitate scalar Debris scalar Sand/Dirt scalar Appearance scalar Odor scalar Emulsified Water scalar Free Water scalar Free Water scalar Visc @ 40°C cSt SAMPLE IMAGES Color Bottom GRAPHS Ferrous Alloys Uscosity @ 40°C Uscosity @ 40°C	White Metal scalar *Visual Yellow Metal scalar *Visual Sitt scalar *Visual Debris scalar *Visual Sand/Dirt scalar *Visual Appearance scalar *Visual Odor scalar *Visual Emulsified Water scalar *Visual Free Water scalar *Visual Color Color Bottom GRAPHS Ferrous Alloys 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	White Metal scalar *Visual NONE Yellow Metal scalar *Visual NONE Precipitate scalar *Visual NONE Sitt scalar *Visual NONE Sand/Dirt scalar *Visual NONE Appearance scalar *Visual NORML Codor scalar *Visual NORML Emulsified Water scalar *Visual NORML Codor cst ASTM D445 SAMPLE IMAGES method imit/base Visc @ 40°C cst ASTM D445 SAMPLE IMAGES method imit/base Color Non-ferrous Alloys 0 0 0 0 0 0 0 0 0 0 0 0 0	White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Sitt scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Odor scalar *Visual NORML NORML MEG Free Water scalar *Visual >0.1 NEG Free Water scalar *Visual NORML NEG Free Water scalar *Visual Scalar *Visual NORML Visc @ 40°C cSt ASTM D445 45.9 SAMPLE IMAGES method imit/base current Color Color Color Color Non-ferrous Metals 0 0 0 0 0 0 0 0 0 0 0 0 0	White Metal scalar 'Visual NONE NONE Yeliow Metal scalar 'Visual NONE NONE Precipitate scalar 'Visual NONE NONE Sand/Dirt scalar 'Visual NONE NONE Appearance scalar 'Visual NONE NONE Odor scalar 'Visual NORML NORML Dodor scalar 'Visual NORML NORML Emulsified Water scalar 'Visual NORML NORML Eree Water scalar 'Visual NORML NORML Free Water scalar 'Visual NORML NORML Eree Water scalar 'Visual NORML NORML SAMPLE IMAGES method imit/base current history1 Visc @ 40°C cSt ASTM D445 45.9 SAMPLE IMAGES method imit/base current history1 Non-ferrous Metals 0 0 0 0 0 0 0 0 0 0 0 0 0	

Contact/Location: ED DIENER - UCFLUSCH