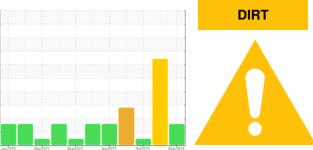


## **OIL ANALYSIS REPORT**

Sample Rating Trend

SAMPLE INFORMATION method limit/base



current

history1

history2

#### Area MillLING Machine Id C-132 Component Gearbox Fluid MOBIL SHC 630 (--- LTR)

### DIAGNOSIS

#### A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

Elemental level of silicon (Si) above normal indicating ingress of seal material.

#### Fluid Condition

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

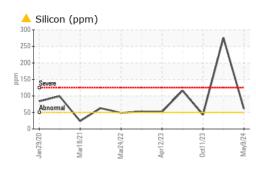
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0929835	WC0919952	WC0866663
Sample Date		Client Info		09 May 2024	02 Apr 2024	11 Oct 2023
Machine Age	mths	Client Info		12	12	12
Oil Age	mths	Client Info		1	0	1
Oil Changed		Client Info		N/A	N/A	Changed
Sample Status				ABNORMAL	SEVERE	NORMAL
-						
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	22	<b>A</b> 337	113
Chromium	ppm	ASTM D5185m	>15	<1	2	<1
Nickel	ppm	ASTM D5185m	>15	<1	2	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	2	2	1
Lead	ppm	ASTM D5185m		<1	0	0
Copper	ppm	ASTM D5185m	>200	<1	<1	<1
Tin	ppm		>25	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES	PP	method	limit/base	current	history1	history2
			in invoase	0	0	0
Boron	ppm	ASTM D5185m			0	0
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		<1	3	
Magnesium	ppm	ASTM D5185m		1	2	0
Calcium	ppm	ASTM D5185m		2	9	2
Phosphorus	ppm	ASTM D5185m		515	404	478
Zinc	ppm	ASTM D5185m		7	2	0
Sulfur	ppm	ASTM D5185m		178	0	36
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<u> </u>	<b>2</b> 76	43
Sodium	ppm	ASTM D5185m		0	1	<1
Potassium	ppm	ASTM D5185m	>20	2	2	<1
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	121164		189109
		ASTM D7647 ASTM D7647		121164 17750		189109 126191
Particles >6µm						
Particles >6µm Particles >14µm		ASTM D7647	>5000 >640	17750		126191
Particles >6μm Particles >14μm Particles >21μm		ASTM D7647 ASTM D7647	>5000 >640	17750 350		126191 1666
Particles >6μm Particles >14μm Particles >21μm Particles >38μm		ASTM D7647 ASTM D7647 ASTM D7647	>5000 >640 >160 >40	17750 350 88		126191 1666 101
Particles >6µm Particles >14µm		ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>5000 >640 >160 >40	17750 350 88 1		126191 1666 101 3
Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	TION	ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>5000 >640 >160 >40 >10	17750 350 88 1 0	  	126191 1666 101 3 2
Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm Oil Cleanliness	.TION mg KOH/g	ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ISO 4406 (c)	>5000 >640 >160 >40 >10 >21/19/16	17750 350 88 1 0 24/21/16	   	126191 1666 101 3 2 25/24/18

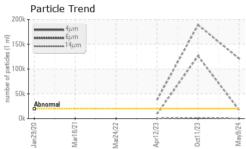
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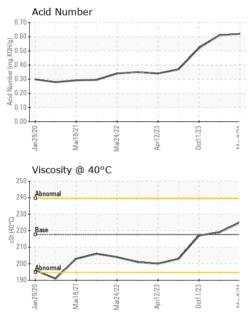
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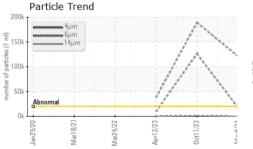


# **OIL ANALYSIS REPORT**





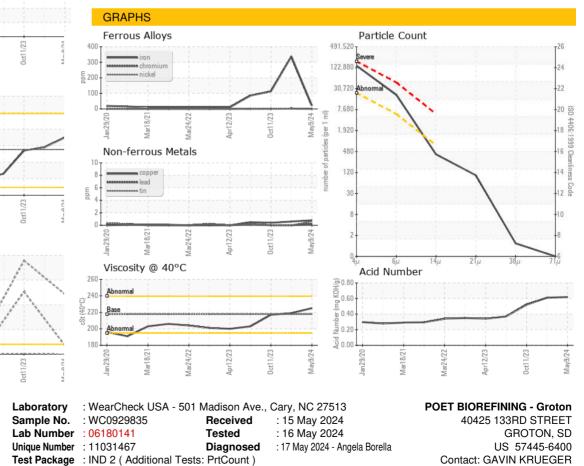






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	A MODER	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	HAZY	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	217.7	225	219	217
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				•		

Bottom



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)

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