



# ASCENDUM

## OIL ANALYSIS REPORT

WEAR

**NORMAL**

CONTAMINATION

**NORMAL**

FLUID CONDITION

**ATTENTION**

Area

**Ascendum Machinery/250 Hour Service**

Machine Id

**SANDVIK 64500**

Component

**Compressor**

Fluid

**SHELL CORENA S4 R46 (--- GAL)**

### RECOMMENDATION

The oil change at the time of sampling has been noted. 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

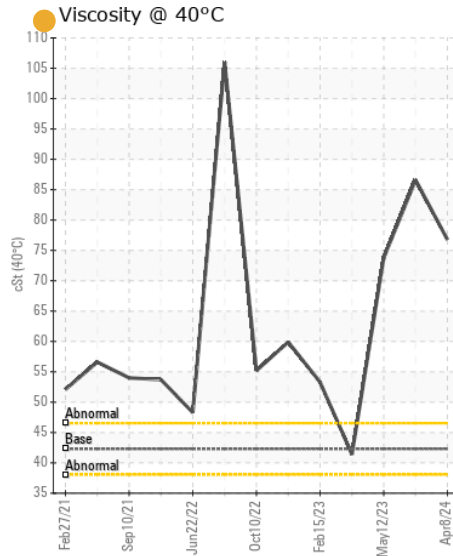
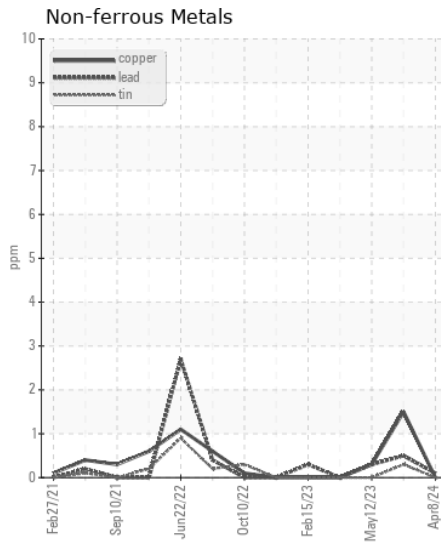
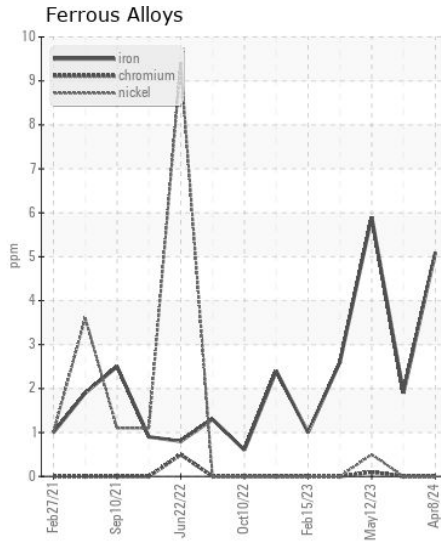
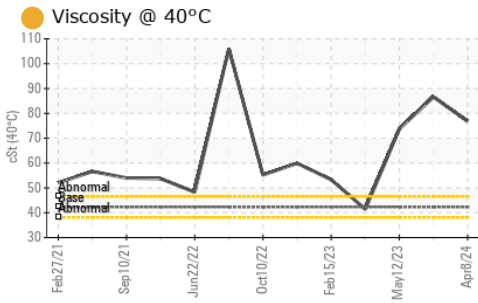
The oil viscosity is higher than normal. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ASC0007131</b>	ASC0001426	ASC0000113
Sample Date		Client Info		<b>08 Apr 2024</b>	11 Sep 2023	12 May 2023
Machine Age	hrs	Client Info		<b>6029</b>	5044	4617
Oil Age	hrs	Client Info		<b>985</b>	427	4411
Filter Age	hrs	Client Info		<b>0</b>	0	4411
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>ATTENTION</b>	ATTENTION	ATTENTION

Iron	ppm	ASTM D5185m	>50	<b>5</b>	2	6
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m		<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>15	<b>2</b>	0	<1
Lead	ppm	ASTM D5185m	>65	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185m	>65	<b>0</b>	2	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<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

Silicon	ppm	ASTM D5185m	>35	<b>2</b>	2	4
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	4	4
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
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

Sodium	ppm	ASTM D5185m		<b>5</b>	3	2
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>1</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>2</b>	2	0
Calcium	ppm	ASTM D5185m		<b>233</b>	11	6
Phosphorus	ppm	ASTM D5185m		<b>150</b>	187	82
Zinc	ppm	ASTM D5185m		<b>117</b>	16	25
Sulfur	ppm	ASTM D5185m		<b>930</b>	768	985
Visc @ 40°C	cSt	ASTM D445	42.3	<b>76.8</b>	86.6	73.76



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0007131  
**Lab Number** : 06149143  
**Unique Number** : 10979221  
**Test Package** : CONST

**Received** : 15 Apr 2024  
**Tested** : 16 Apr 2024  
**Diagnosed** : 17 Apr 2024 - Sean Felton

**MARTIN MARIETTA**  
 4551 BEATTIES FORD ROAD  
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 US 28216  
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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)