



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Area
Ascendum Machinery/250 Hour Service

Machine Id
SANDVIK 64500

Component
Tank Circulating Shank Lube

Fluid
CITGO CITGO CITGEAR® Synthetic EP 150 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0007134	ASC0001406	ASC0000403
Sample Date		Client Info		08 Apr 2024	11 Sep 2023	12 May 2023
Machine Age	hrs	Client Info		6029	5044	4617
Oil Age	hrs	Client Info		985	427	4411
Filter Age	hrs	Client Info		0	0	4411
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	ATTENTION	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m		16	17	28
Chromium	ppm	ASTM D5185m		<1	<1	<1
Nickel	ppm	ASTM D5185m		2	2	2
Titanium	ppm	ASTM D5185m		0	<1	1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		7	5	9
Lead	ppm	ASTM D5185m		2	1	<1
Copper	ppm	ASTM D5185m		128	85	39
Tin	ppm	ASTM D5185m		3	2	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

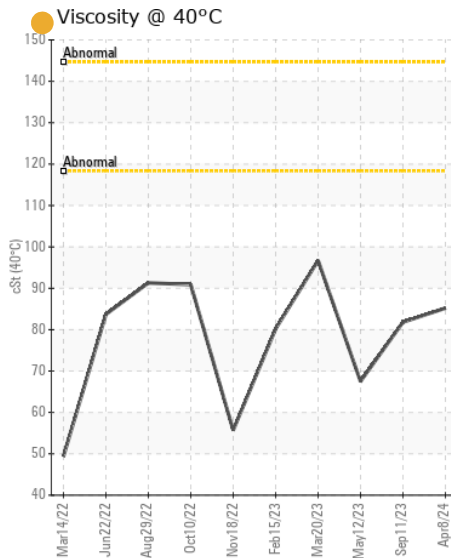
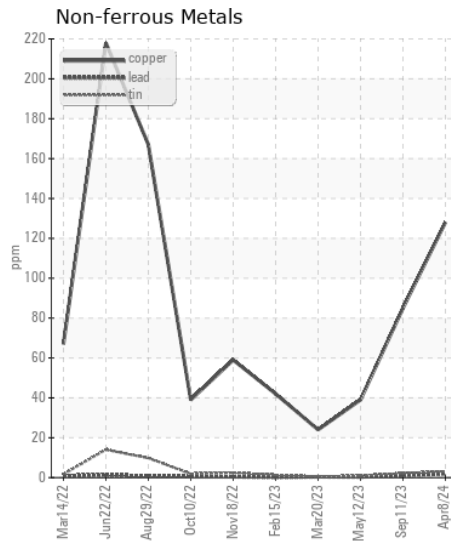
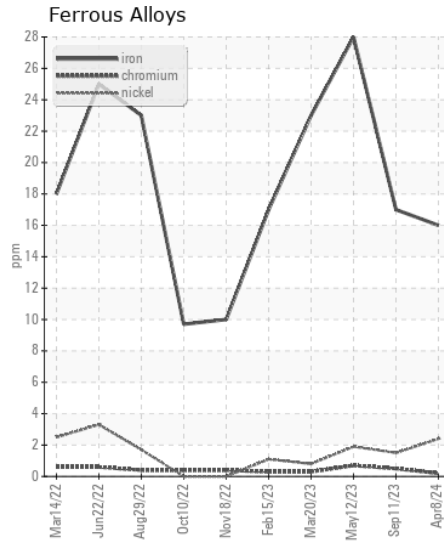
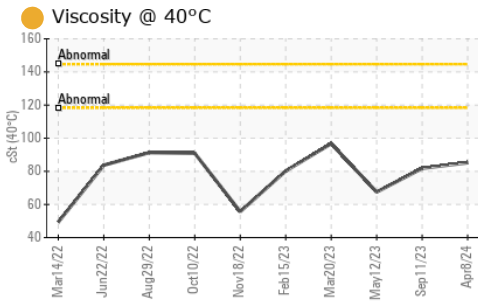
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		3	13	25
Potassium	ppm	ASTM D5185m	>20	2	4	4
Water		WC Method		NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual		NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		2	4	2
Boron	ppm	ASTM D5185m		5	6	9
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	1	2
Manganese	ppm	ASTM D5185m		<1	1	<1
Magnesium	ppm	ASTM D5185m		5	14	17
Calcium	ppm	ASTM D5185m		659	593	798
Phosphorus	ppm	ASTM D5185m		388	701	440
Zinc	ppm	ASTM D5185m		264	231	338
Sulfur	ppm	ASTM D5185m		4068	2282	2651
Visc @ 40°C	cSt	ASTM D445		85.2	81.8	67.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0007134
Lab Number : 06149144
Unique Number : 10979222
Test Package : CONST
Received : 15 Apr 2024
Tested : 16 Apr 2024
Diagnosed : 17 Apr 2024 - Sean Felton

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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)