



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Area

Ascendum Machinery/250 Hour Service

Machine Id

SANDVIK 16712

Component

Tank Circulating Shank Lube

Fluid

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

RECOMMENDATION

Oil and filter 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		ASC0001800	ASC0005434	VCP0006653
Sample Date		Client Info		17 Jan 2024	20 Oct 2023	19 Apr 2023
Machine Age	hrs	Client Info		11392	10901	9909
Oil Age	hrs	Client Info		491	992	361
Filter Age	hrs	Client Info		0	0	361
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		17	8	7
Chromium	ppm	ASTM D5185m		<1	0	0
Nickel	ppm	ASTM D5185m		0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		3	2	0
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m		56	27	52
Tin	ppm	ASTM D5185m		4	1	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

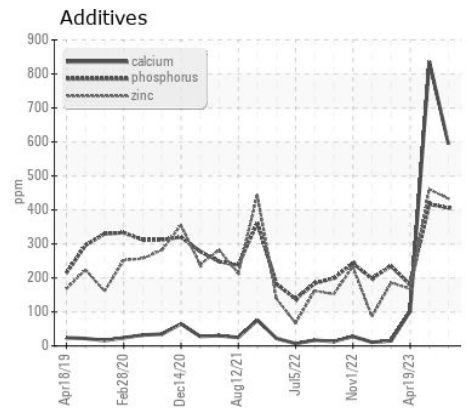
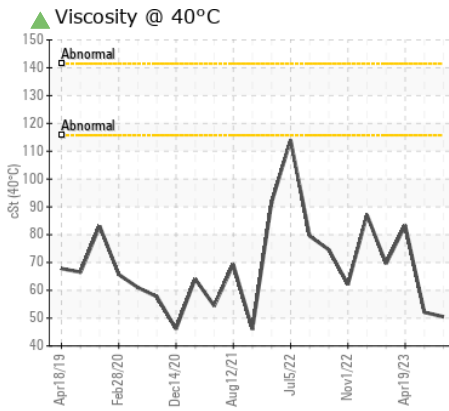
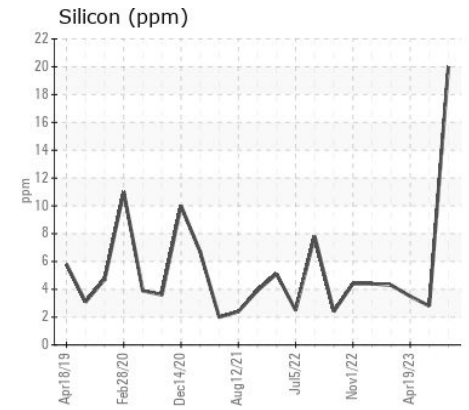
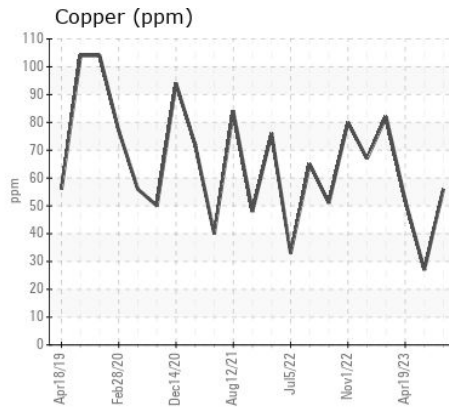
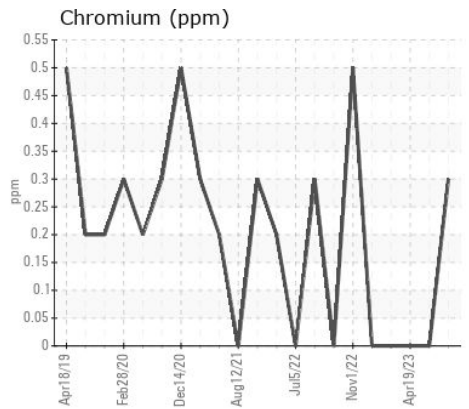
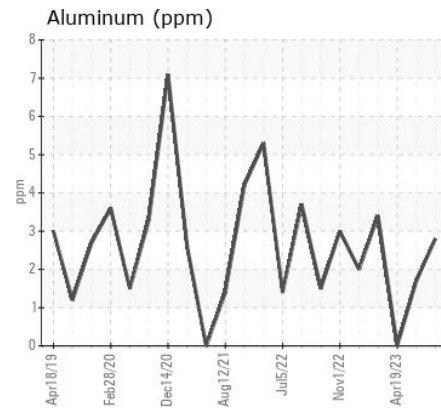
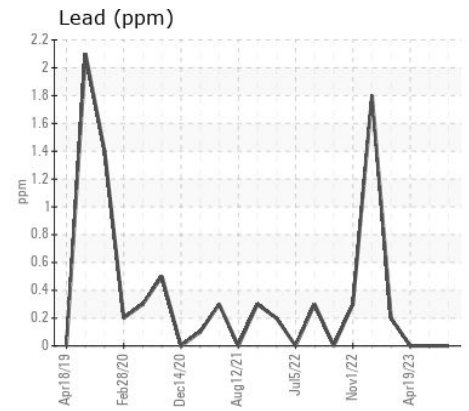
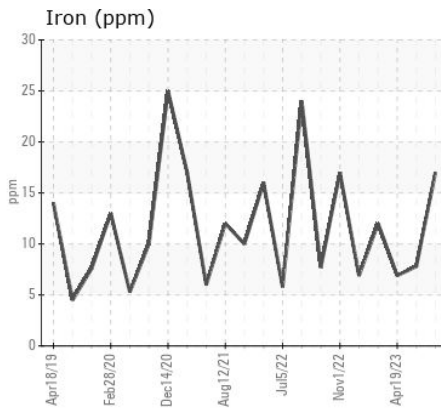
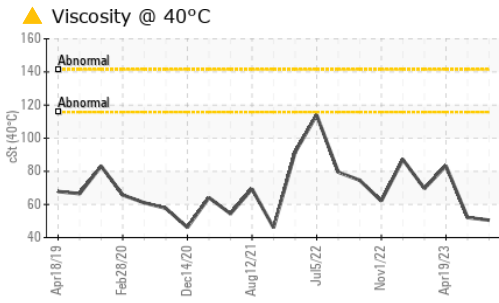
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		20	3	4
Potassium	ppm	ASTM D5185m	>20	3	0	1
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		1	<1	1
Boron	ppm	ASTM D5185m		14	5	0
Barium	ppm	ASTM D5185m		5	0	0
Molybdenum	ppm	ASTM D5185m		4	<1	<1
Manganese	ppm	ASTM D5185m		0	<1	1
Magnesium	ppm	ASTM D5185m		31	27	10
Calcium	ppm	ASTM D5185m		594	836	102
Phosphorus	ppm	ASTM D5185m		406	417	180
Zinc	ppm	ASTM D5185m		433	461	168
Sulfur	ppm	ASTM D5185m		2997	2594	1572
Visc @ 40°C	cSt	ASTM D445		▲ 50.5	▲ 52.1	▲ 83.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0001800 **Received** : 29 Jan 2024
Lab Number : 06073327 **Diagnosed** : 31 Jan 2024
Unique Number : 10850004 **Diagnostician** : Sean Felton
Test Package : MOBCE

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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