



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

Ascendum Machinery/250 Hour CSA

Machine Id

KUBOTA KX080-4 2152 (S/N 11399)

Component

Rear Right Final Drive

Fluid

VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0001645	VCP0002182	---
Sample Date		Client Info		30 Jan 2024	10 Oct 2022	---
Machine Age	hrs	Client Info		2243	1174	---
Oil Age	hrs	Client Info		1069	1174	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Chngd	Changed	---
Filter Changed		Client Info		None	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	287	240	---
Chromium	ppm	ASTM D5185m	>10	2	5	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	2	2	---
Lead	ppm	ASTM D5185m	>25	<1	0	---
Copper	ppm	ASTM D5185m	>50	<1	<1	---
Tin	ppm	ASTM D5185m	>10	0	<1	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

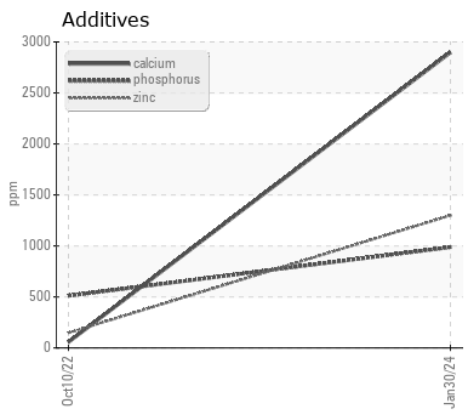
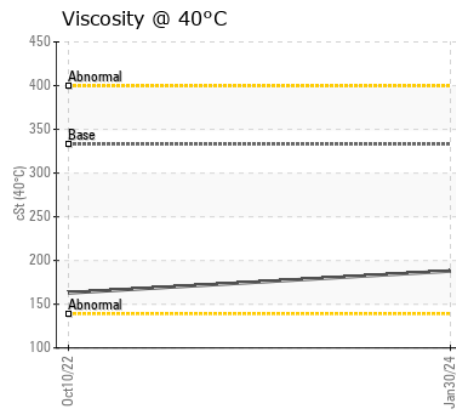
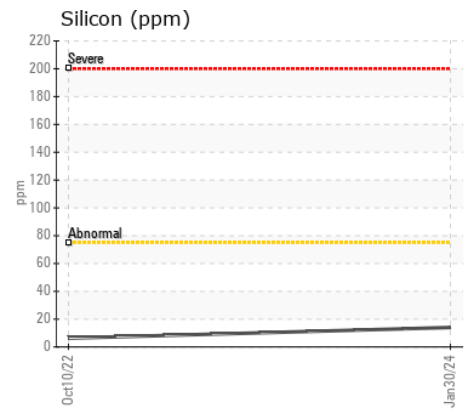
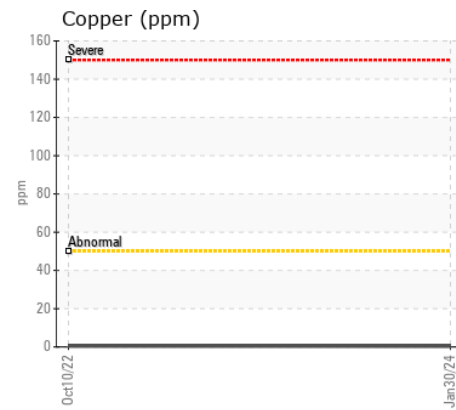
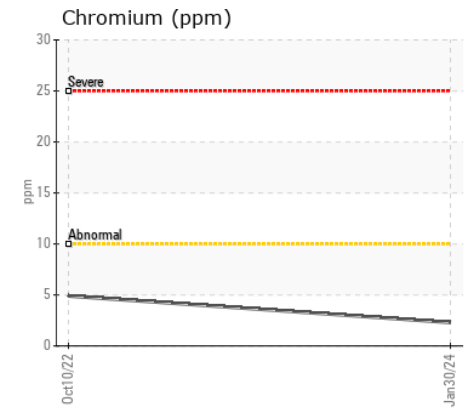
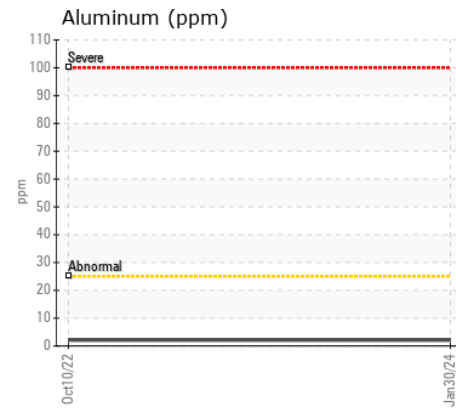
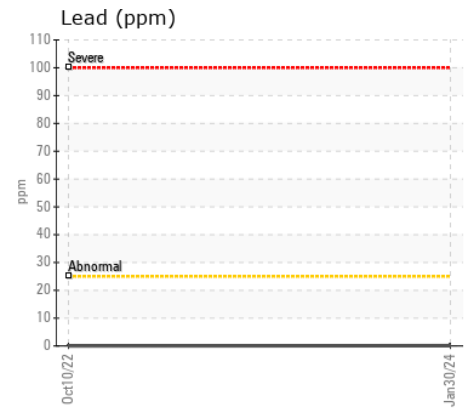
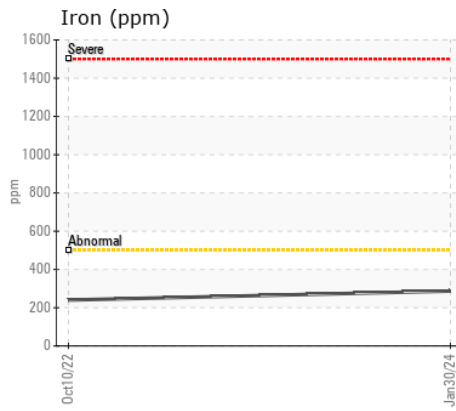
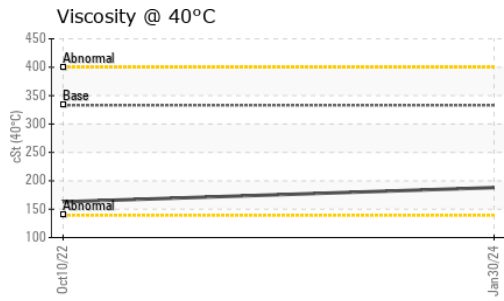
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	14	6	---
Potassium	ppm	ASTM D5185m	>20	3	10	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		0	0	---
Boron	ppm	ASTM D5185m	111	5	49	---
Barium	ppm	ASTM D5185m	0.0	<1	8	---
Molybdenum	ppm	ASTM D5185m	0.9	1	0	---
Manganese	ppm	ASTM D5185m	0.0	2	6	---
Magnesium	ppm	ASTM D5185m	39	13	2	---
Calcium	ppm	ASTM D5185m	93	2896	57	---
Phosphorus	ppm	ASTM D5185m	920	988	511	---
Zinc	ppm	ASTM D5185m	104	1299	147	---
Sulfur	ppm	ASTM D5185m	20179	16722	19496	---
Visc @ 40°C	cSt	ASTM D445	333	188	163	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0001645 **Recieved** : 31 Jan 2024
Lab Number : 06076169 **Diagnosed** : 02 Feb 2024
Unique Number : 10858260 **Diagnostician** : Sean Felton
Test Package : MOBCE

TRIANGLE GRADING AND PAVING INC
 1521 Huffman Mill Rd
 BURLINGTON, NC
 US 27216
 Contact: KAREN HILLIARD
 khilliard@trianglegradingpaving.com
 T: (336)584-1745
 F: (336)584-0145

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)