



ASCENDUM

OIL ANALYSIS REPORT



Area
Ascendum Machinery
 Machine Id
VOLVO A30G ORT-30 (S/N A30GV752549)
 Component
Front Right Final Drive
 Fluid
VOLVO SUPER GEAR OIL 75W-80-GO102 (1 GAL)

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0000849	VCP0000549	---
Sample Date		Client Info		12 Oct 2023	09 Jun 2022	---
Machine Age	hrs	Client Info		2594	681	---
Oil Age	hrs	Client Info		1913	681	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changed	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	322	156	---
Chromium	ppm	ASTM D5185m	>20	6	4	---
Nickel	ppm	ASTM D5185m	>10	4	2	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>30	0	<1	---
Lead	ppm	ASTM D5185m	>50	0	<1	---
Copper	ppm	ASTM D5185m	>150	29	18	---
Tin	ppm	ASTM D5185m	>20	2	1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

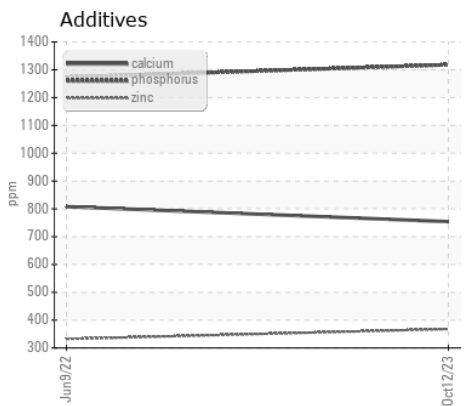
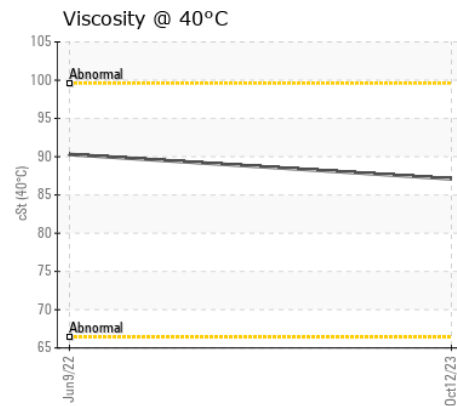
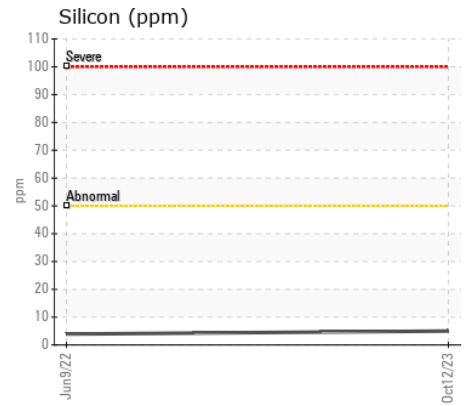
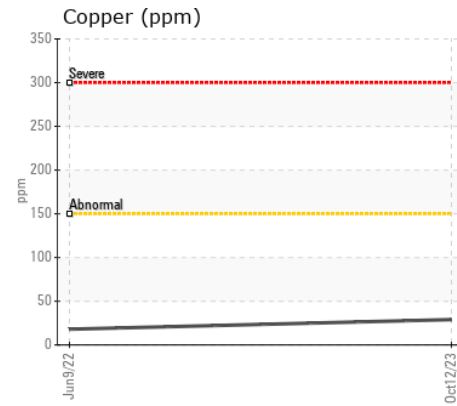
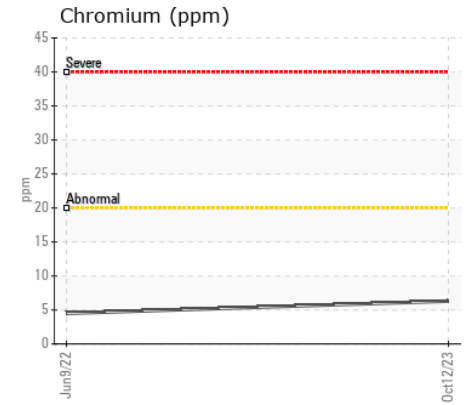
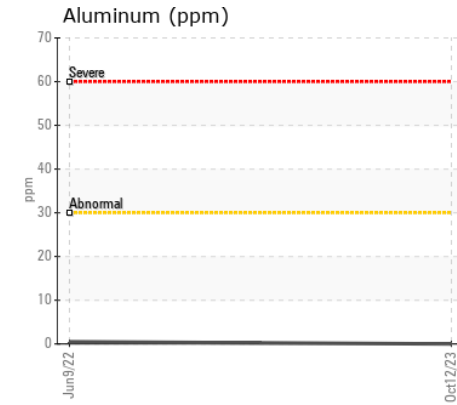
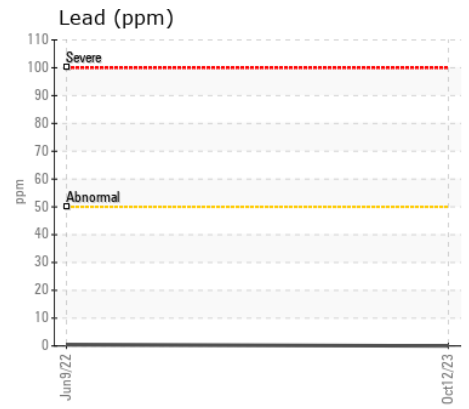
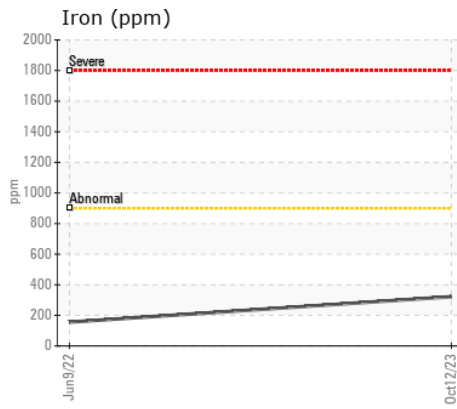
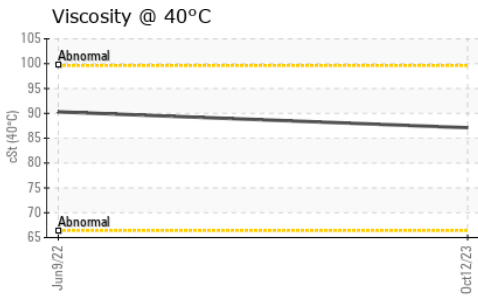
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	5	4	---
Potassium	ppm	ASTM D5185m	>20	5	2	---
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		<1	2	---
Boron	ppm	ASTM D5185m		235	312	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		6	4	---
Manganese	ppm	ASTM D5185m		13	10	---
Magnesium	ppm	ASTM D5185m		2	2	---
Calcium	ppm	ASTM D5185m		754	808	---
Phosphorus	ppm	ASTM D5185m		1318	1273	---
Zinc	ppm	ASTM D5185m		368	332	---
Sulfur	ppm	ASTM D5185m		23750	17096	---
Visc @ 40°C	cSt	ASTM D445		87.1	90.3	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : ASC0000849

Lab Number : 05978545

Unique Number : 10695840

Test Package : MOBCE

Received : 13 Oct 2023

Tested : 15 Oct 2023

Diagnosed : 17 Oct 2023 - Don Baldrige

PEDULLA EXCAVATING & PAVING

1275 SHINN FARM RD

MOORESVILLE, NC

US 28115

Contact: Service Manager

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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