



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[SWA560052-10 ALTER]

Machine Id
SENNEBOGEN 835 835.0.2949

Component
Transmission

Fluid
VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP453607	VCP434948	VCP367853
Sample Date		Client Info		17 May 2024	01 Mar 2024	10 Oct 2023
Machine Age	hrs	Client Info		5900	5345	4362
Oil Age	hrs	Client Info		2000	1000	2000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	49	43	45
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>50	2	2	2
Lead	ppm	ASTM D5185m	>50	2	<1	0
Copper	ppm	ASTM D5185m	>200	46	40	51
Tin	ppm	ASTM D5185m	>10	3	2	2
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	▲ MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

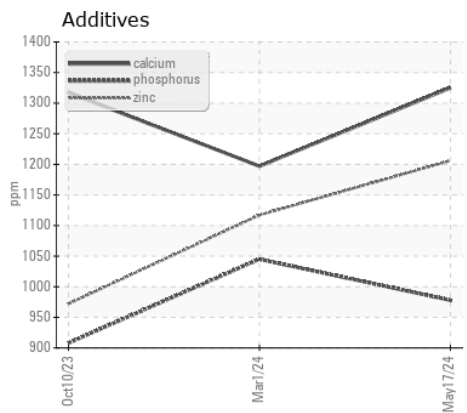
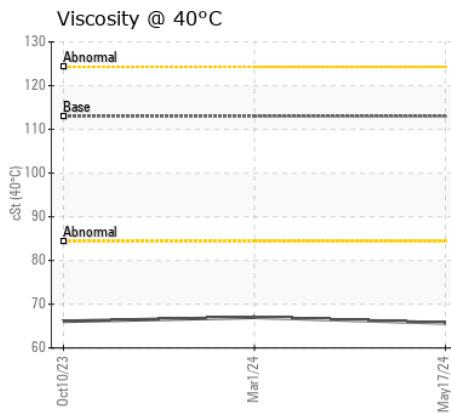
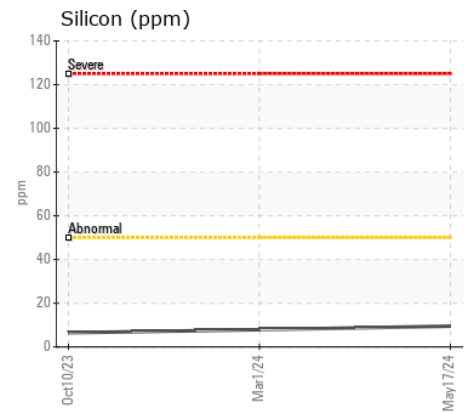
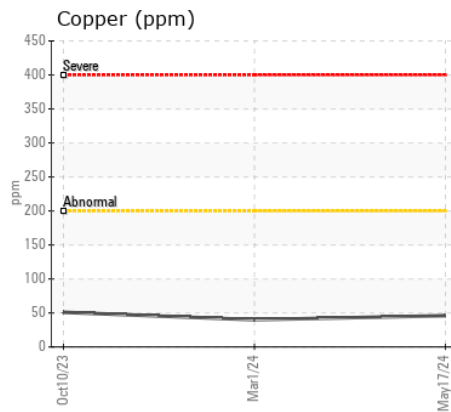
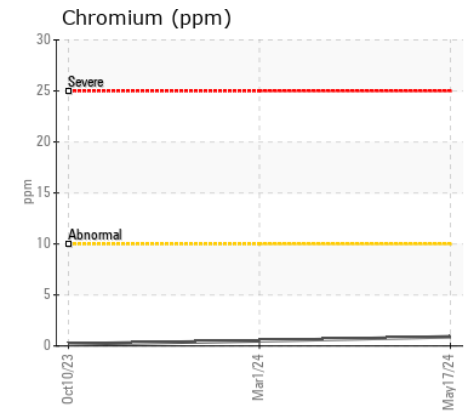
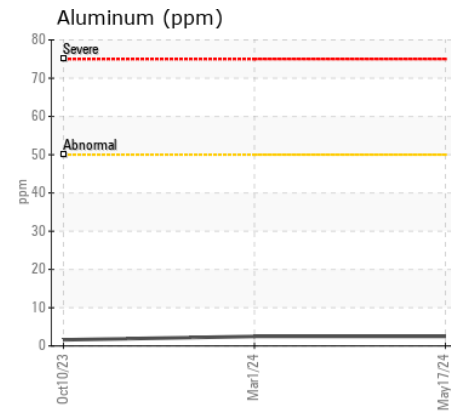
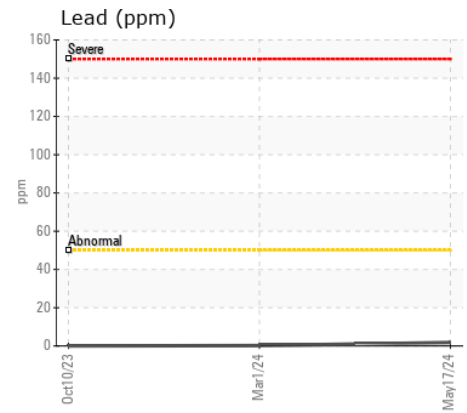
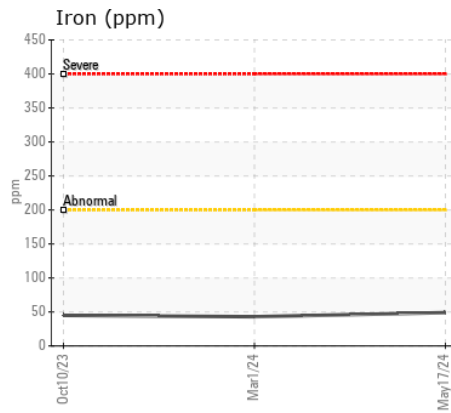
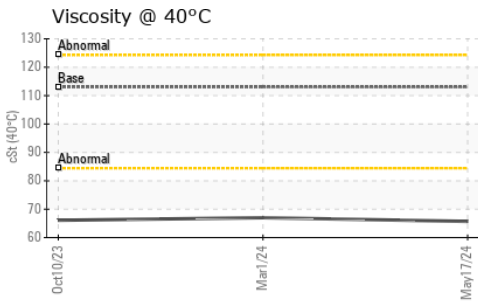
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	10	8	6
Potassium	ppm	ASTM D5185m	>20	3	2	0
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		4	5	9
Boron	ppm	ASTM D5185m	2.5	27	23	42
Barium	ppm	ASTM D5185m	0.0	0	0	1
Molybdenum	ppm	ASTM D5185m	0.7	48	45	27
Manganese	ppm	ASTM D5185m	0.0	10	10	10
Magnesium	ppm	ASTM D5185m	256	877	822	663
Calcium	ppm	ASTM D5185m	2057	1325	1197	1317
Phosphorus	ppm	ASTM D5185m	935	978	1045	908
Zinc	ppm	ASTM D5185m	1223	1206	1117	972
Sulfur	ppm	ASTM D5185m	4079	4228	4210	4121
Visc @ 40°C	cSt	ASTM D445	113	65.7	67.0	66.1



Certificate L2367

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

Sample No. : VCP453607

Lab Number : 06189654

Unique Number : 11046406

Test Package : MOB 1

Received : 23 May 2024

Tested : 24 May 2024

Diagnosed : 28 May 2024 - Sean Felton

ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE

BLOOMINGTON, IL

US 61705

Contact: MIKE MARTIN

mike.martin@altaequipment.com

T:

F:

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)