



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Area
[12046]
Machine Id
VOLVO A35D 72314
Component
Drop Box
Fluid
MOBIL MOBILUBE HD PLUS 85W140 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP443156	VCP389236	VCP310257
Sample Date		Client Info		06 Feb 2024	30 Sep 2022	29 Jul 2021
Machine Age	hrs	Client Info		11246	10575	9836
Oil Age	hrs	Client Info		0	2000	1500
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Not Chngd
Filter Changed		Client Info		N/A	Not Chngd	Not Chngd
Sample Status				ATTENTION	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>940	20	84	96
Chromium	ppm	ASTM D5185m	>15	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	10	11
Lead	ppm	ASTM D5185m	>5	0	<1	<1
Copper	ppm	ASTM D5185m	>40	1	4	2
Tin	ppm	ASTM D5185m	>3	0	0	<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

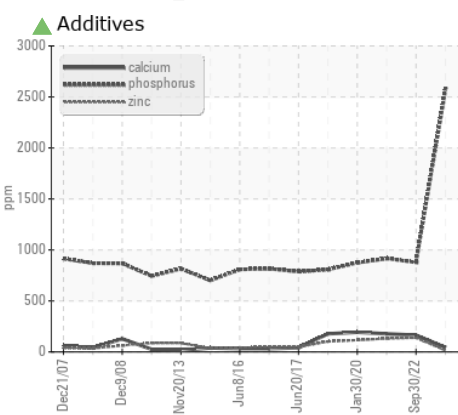
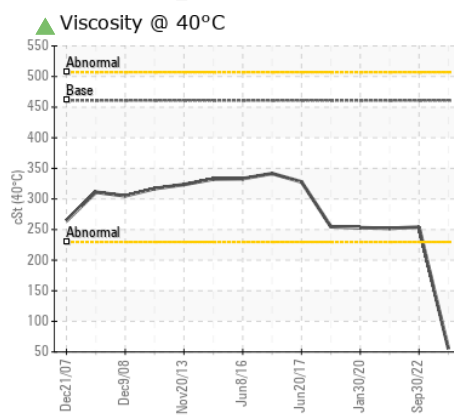
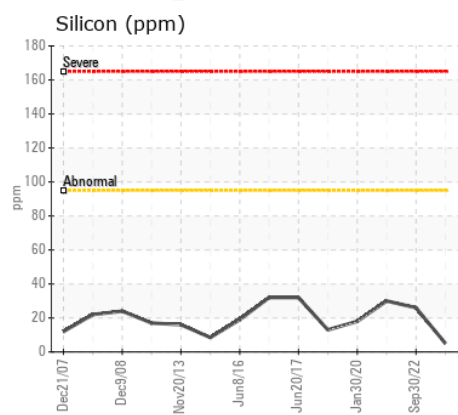
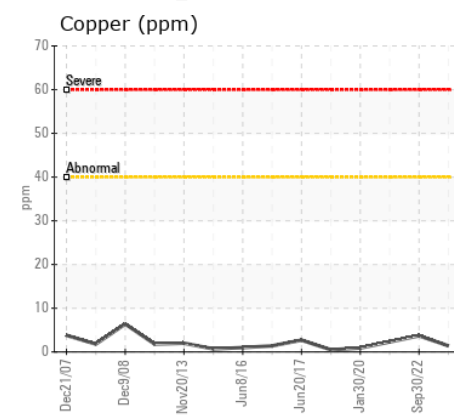
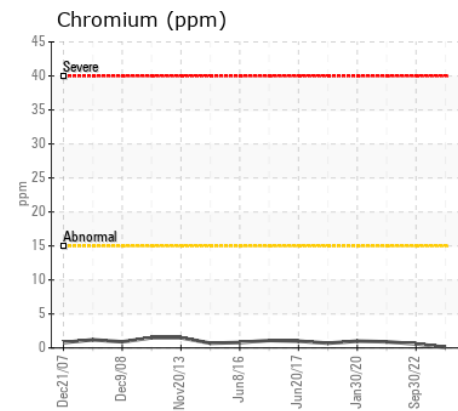
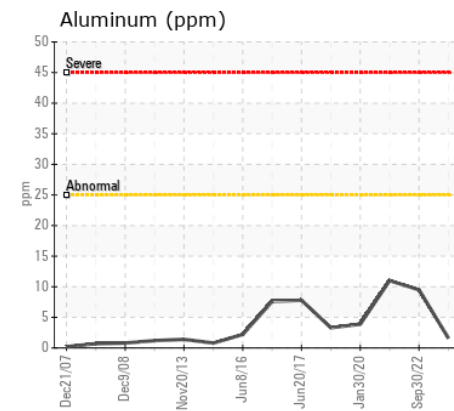
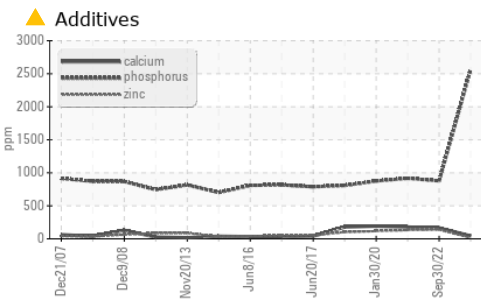
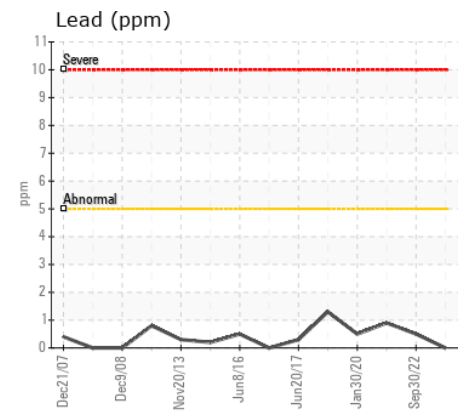
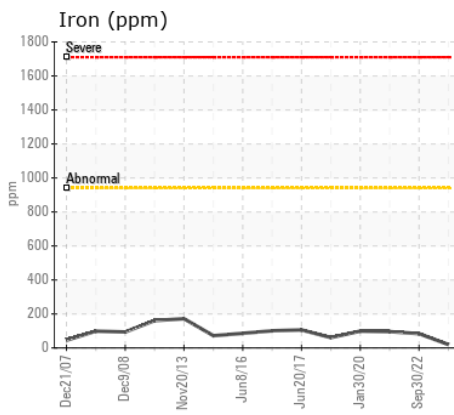
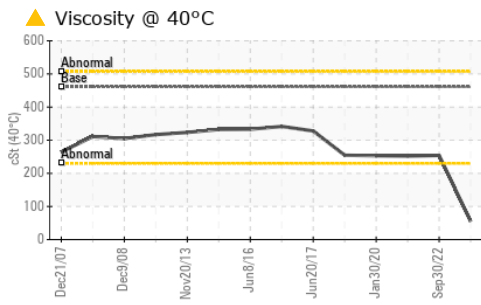
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>95	5	26	30
Potassium	ppm	ASTM D5185m	>20	1	1	3
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		0	2	2
Boron	ppm	ASTM D5185m		283	52	122
Barium	ppm	ASTM D5185m		12	0	0
Molybdenum	ppm	ASTM D5185m		1	5	5
Manganese	ppm	ASTM D5185m		0	2	2
Magnesium	ppm	ASTM D5185m		4	36	39
Calcium	ppm	ASTM D5185m		▲ 44	164	178
Phosphorus	ppm	ASTM D5185m		▲ 2568	878	916
Zinc	ppm	ASTM D5185m		▲ 16	139	132
Sulfur	ppm	ASTM D5185m		33875	27800	22216
Visc @ 40°C	cSt	ASTM D445	461	▲ 55.4	254	252



Certificate L2367

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

Sample No. : VCP443156

Lab Number : 06089149

Unique Number : 10876594

Test Package : MOB 1

Received : 14 Feb 2024

Tested : 19 Feb 2024

Diagnosed : 19 Feb 2024 - Jonathan Hester

JAMES J ANDERSON
6958 TORRESDALE AVENUE
PHILADELPHIA, PA
US 19135

Contact: JOHN HERBUT
herb@jjaconstruction.com

T: (215)850-9051
F: (215)427-0208

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)