



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL



Area
TRIPLE M METAL [402092]
Machine Id
VOLVO A30G 752850
Component
Hydraulic System
Fluid
VOLVO SUPER HYDRAULIC OIL 46 (--- GAL)

RECOMMENDATION

The 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		VCP430020	VCP394033	VCP394833
Sample Date		Client Info		30 Apr 2024	06 Feb 2024	06 Oct 2023
Machine Age	hrs	Client Info		7111	17773	4419
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Changed
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				ATTENTION	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>50	7	6	7
Chromium	ppm	ASTM D5185(m)	>20	4	3	2
Nickel	ppm	ASTM D5185(m)	>10	0	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	1	1	1
Lead	ppm	ASTM D5185(m)	>20	0	<1	1
Copper	ppm	ASTM D5185(m)	>150	2	2	3
Tin	ppm	ASTM D5185(m)	>20	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

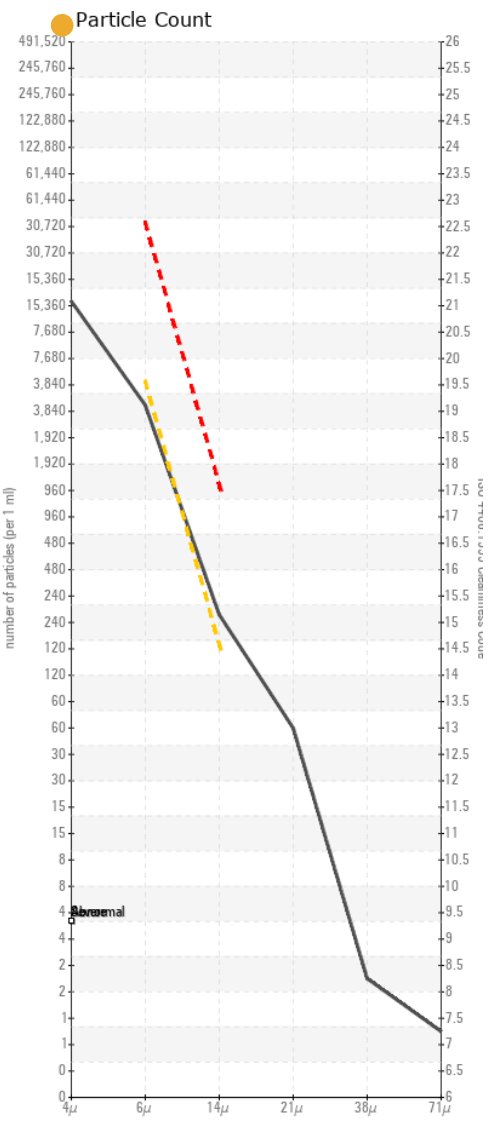
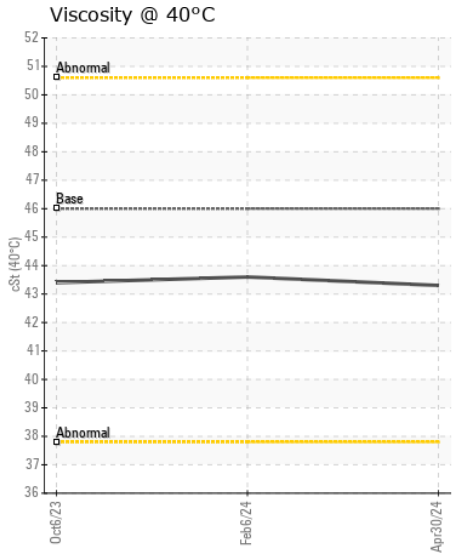
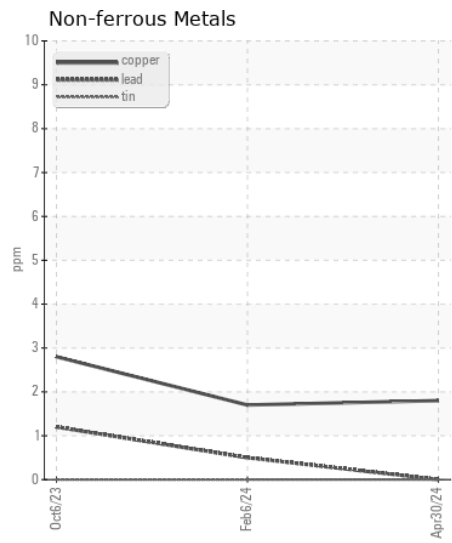
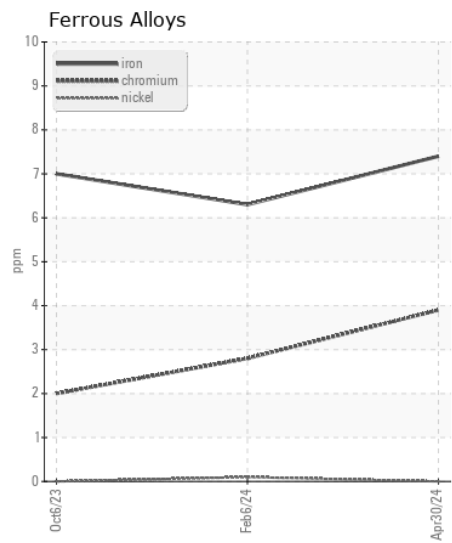
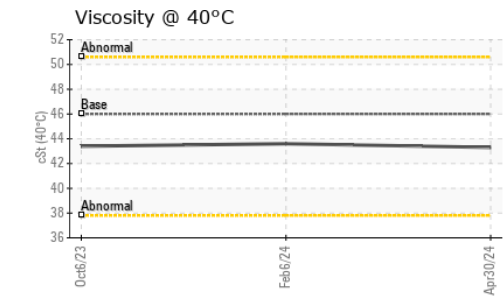
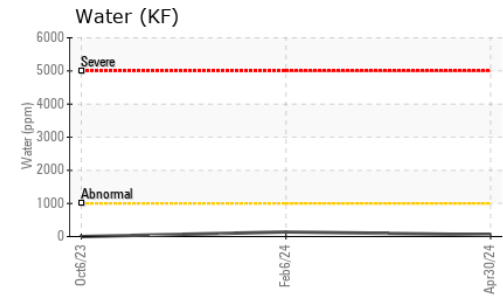
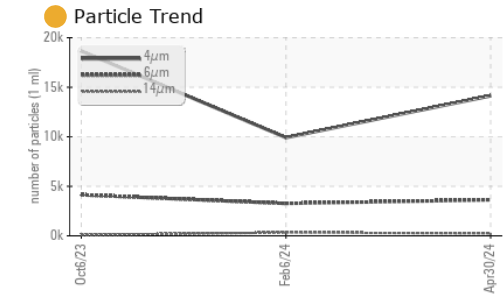
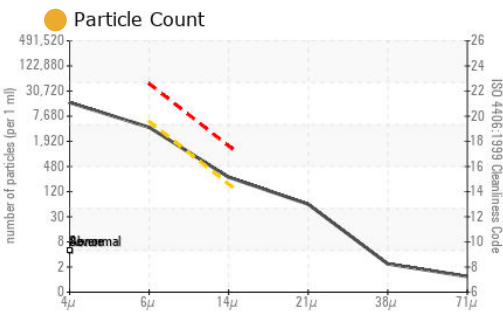
There is a light amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible.

Silicon	ppm	ASTM D5185(m)	>20	<1	2	3
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	0
Water	%	ASTM D6304*	>0.1	0.005	0.013	---
ppm Water	ppm	ASTM D6304*	>1000	54	140	---
Particles >4µm		ASTM D7647		14134	9917	18655
Particles >6µm		ASTM D7647	>5000	3627	3266	4140
Particles >14µm		ASTM D7647	>160	234	▲ 332	87
Particles >21µm		ASTM D7647	>40	53	▲ 85	14
Particles >38µm		ASTM D7647	>10	2	3	1
Particles >71µm		ASTM D7647	>3	1	1	1
Oil Cleanliness		ISO 4406 (c)	---/19/14	21/19/15	▲ 20/19/16	21/19/14
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	WGOIL	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	.2%	.2%	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		2	1	2
Boron	ppm	ASTM D5185(m)	14	<1	<1	<1
Barium	ppm	ASTM D5185(m)	0.0	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	0.0	0	0	0
Manganese	ppm	ASTM D5185(m)	0.0	0	0	0
Magnesium	ppm	ASTM D5185(m)	2.6	3	2	4
Calcium	ppm	ASTM D5185(m)	49	73	71	83
Phosphorus	ppm	ASTM D5185(m)	354	331	338	338
Zinc	ppm	ASTM D5185(m)	419	415	409	420
Sulfur	ppm	ASTM D5185(m)	3719	1656	1810	1437
Visc @ 40°C	cSt	ASTM D7279(m)	46	43.3	43.6	43.4



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP430020 **Received** : 02 May 2024
Lab Number : 02632816 **Tested** : 03 May 2024
Unique Number : 5773969 **Diagnosed** : 03 May 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: KF, PrtCount)

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.