MOB II

VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Area
TMR-Tampa Port [702574]
Machine Id
562178 VOLVO L150H 5499
Component
Hydraulic System
Fluid
VOLVO SUPER HYDRAULIC OIL 46 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

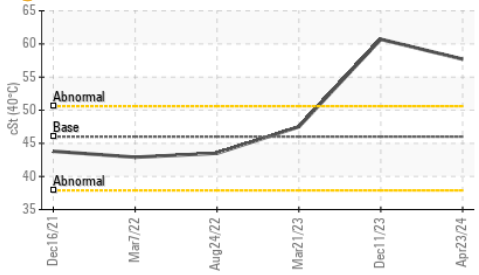
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

FLUID CONDITION

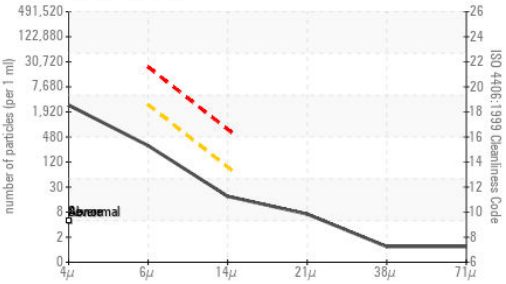
The oil viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP438836	DJJ0005157	VCP423604
Sample Date		Client Info		23 Apr 2024	11 Dec 2023	21 Mar 2023
Machine Age	hrs	Client Info		12573	11063	7773
Oil Age	hrs	Client Info		1000	2000	3700
Filter Age	hrs	Client Info		0	1000	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		Changed	Changed	Not Changd
Sample Status				ATTENTION	ATTENTION	ABNORMAL
Iron	ppm	ASTM D5185m	>50	2	0	<1
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	0	0
Lead	ppm	ASTM D5185m	>20	<1	0	0
Copper	ppm	ASTM D5185m	>150	<1	0	0
Tin	ppm	ASTM D5185m	>20	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	2	<1	2
Potassium	ppm	ASTM D5185m	>20	<1	2	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647		2450	4089	▲ 16899
Particles >6µm		ASTM D7647	>2500	261	237	▲ 5405
Particles >14µm		ASTM D7647	>80	16	14	▲ 562
Particles >21µm		ASTM D7647	>20	6	5	▲ 124
Particles >38µm		ASTM D7647	>4	1	0	8
Particles >71µm		ASTM D7647	>3	1	0	0
Oil Cleanliness		ISO 4406 (c)	>--/18/13	18/15/11	19/15/11	▲ 21/20/16
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	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		0	2	<1
Boron	ppm	ASTM D5185m	14	10	6	0
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	0.0	4	4	5
Manganese	ppm	ASTM D5185m	0.0	0	<1	<1
Magnesium	ppm	ASTM D5185m	2.6	24	28	19
Calcium	ppm	ASTM D5185m	49	127	67	74
Phosphorus	ppm	ASTM D5185m	354	385	329	315
Zinc	ppm	ASTM D5185m	419	489	437	385
Sulfur	ppm	ASTM D5185m	3719	1961	1017	1818
Acid Number (AN)	mg KOH/g	ASTM D8045		0.31	0.30	0.33
Visc @ 40°C	cSt	ASTM D445	46	57.7	60.7	47.5

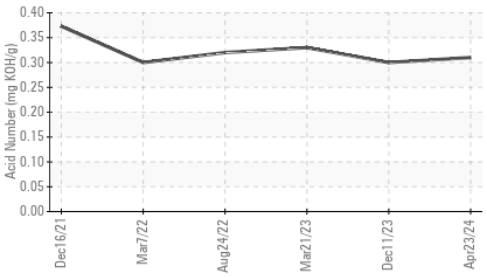
Viscosity @ 40°C



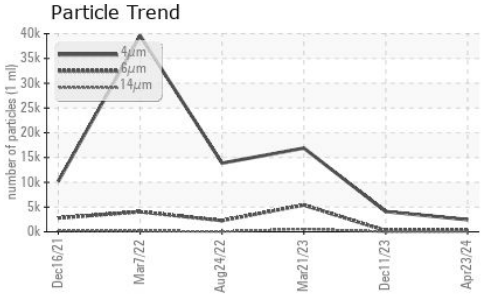
Particle Count



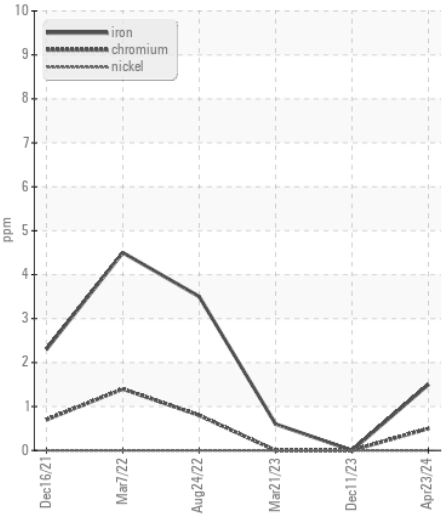
Acid Number



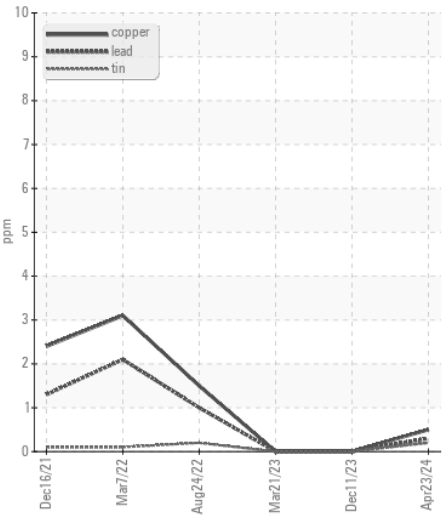
Particle Trend



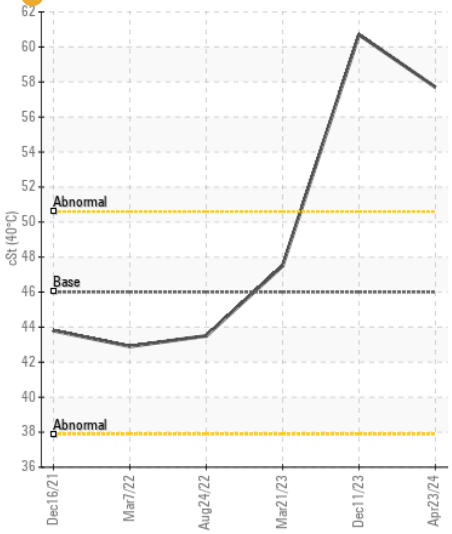
Ferrous Alloys



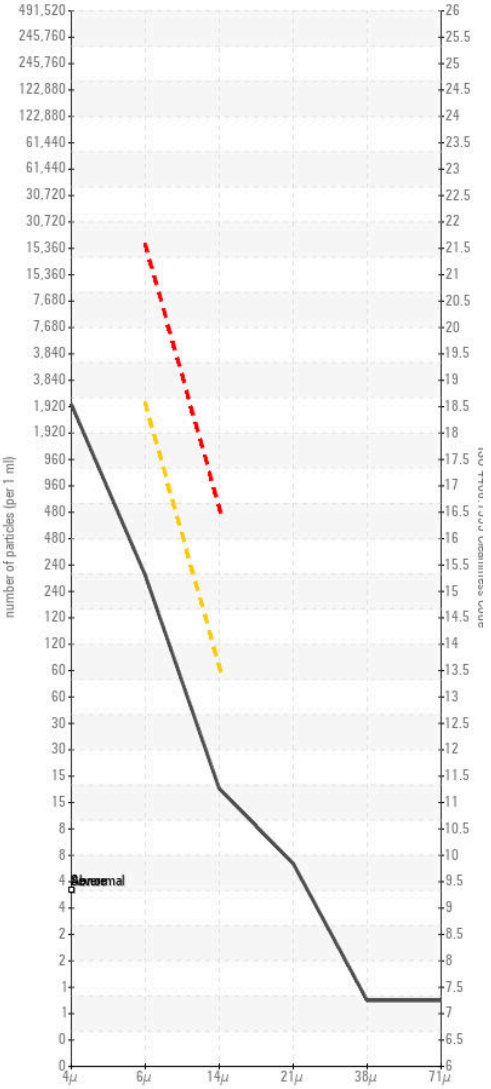
Non-ferrous Metals



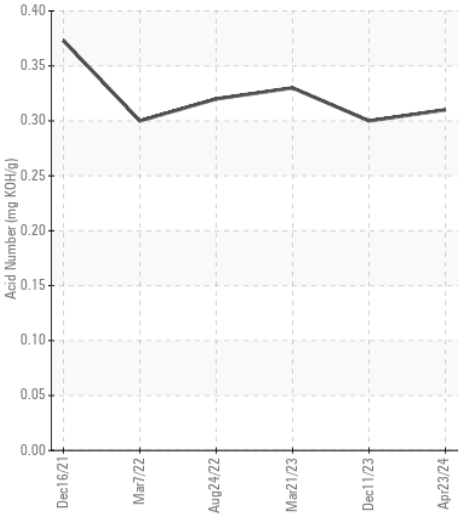
Viscosity @ 40°C



Particle Count



Acid Number



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP438836
Lab Number : 06195343
Unique Number : 11057466
Test Package : MOB 2

Received : 30 May 2024
Tested : 31 May 2024
Diagnosed : 01 Jun 2024 - Don Baldridge

TRADEMARK METALS RECYCLING - TAMPA PORT
4943 PORT SUTTON RD
TAMPA, FL
US 33619
Contact: RYAN BOWDEN

T:
F:

Certificate L2367

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)