



WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL



Machine Id
VOLVO L150H 7248
Component
Hydraulic System
Fluid
FACTORY (--- 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		ML0000188	ML0000167	VCP442527
Sample Date		Client Info		07 May 2024	07 Mar 2024	03 Jan 2024
Machine Age	hrs	Client Info		1226	996	750
Oil Age	hrs	Client Info		1226	996	750
Filter Age	hrs	Client Info		476	996	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	Not Changed	Changed
Sample Status				ATTENTION	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	2	<1	2
Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	0	2
Lead	ppm	ASTM D5185m	>20	1	<1	1
Copper	ppm	ASTM D5185m	>20	3	2	2
Tin	ppm	ASTM D5185m	>20	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

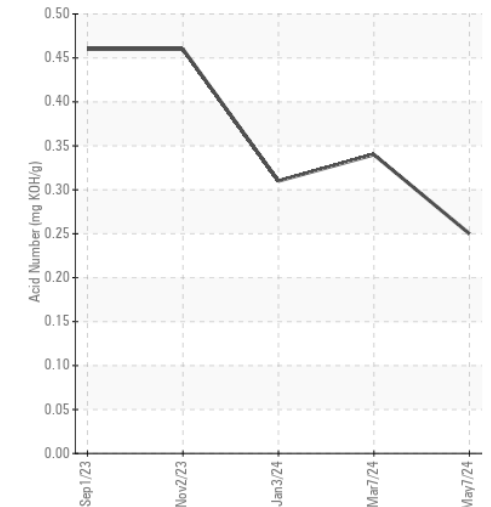
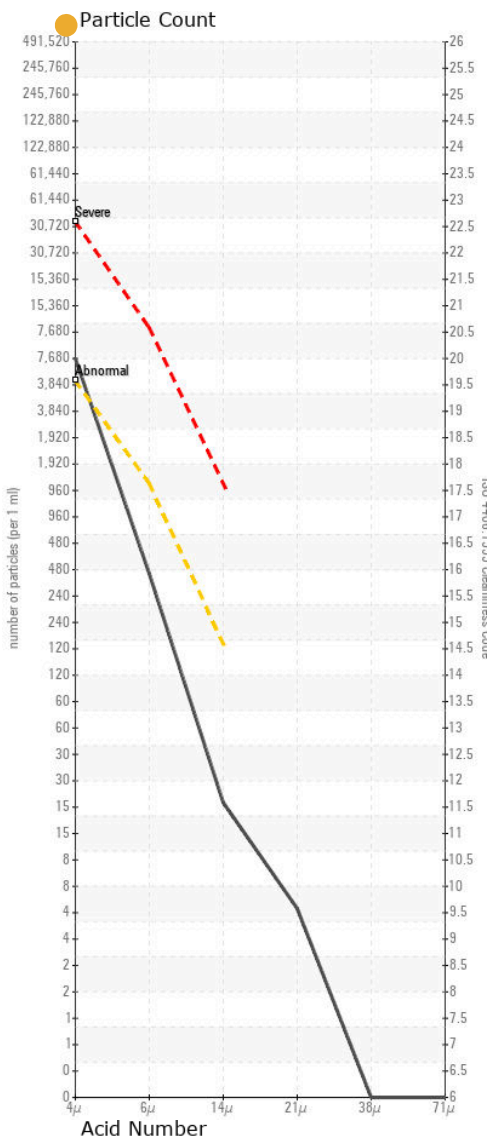
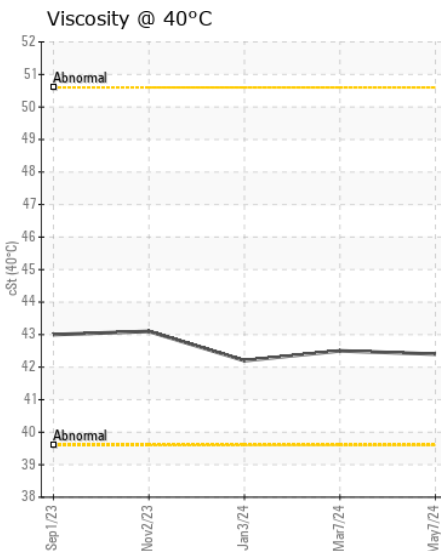
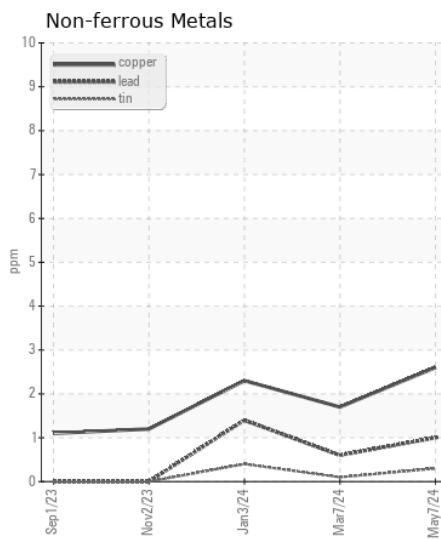
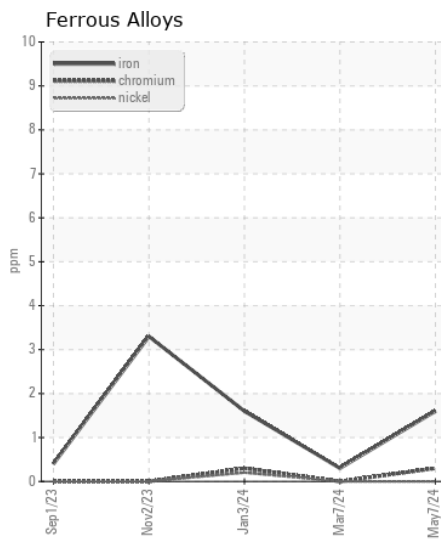
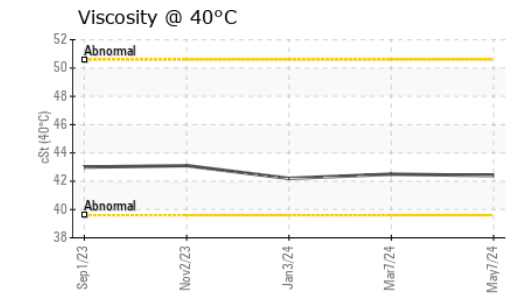
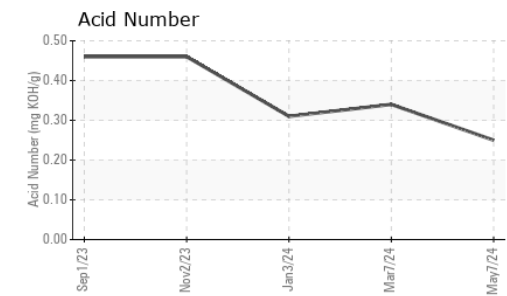
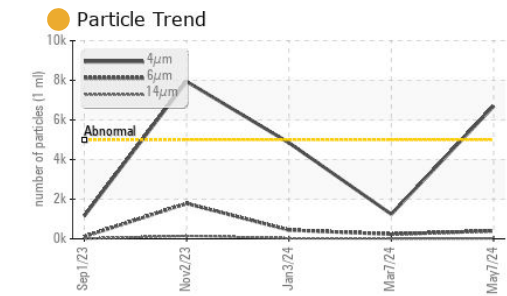
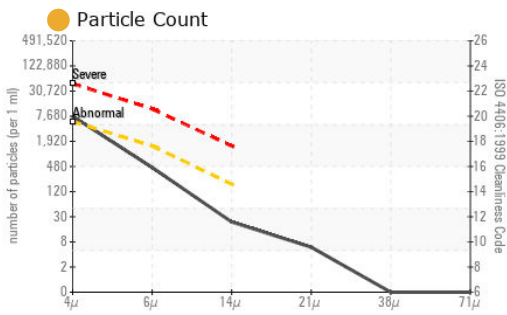
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>20	1	<1	1
Potassium	ppm	ASTM D5185m	>20	2	<1	1
Water		WC Method	>0.2	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	6692	1242	4848
Particles >6µm		ASTM D7647	>1300	400	234	440
Particles >14µm		ASTM D7647	>160	20	13	27
Particles >21µm		ASTM D7647	>40	5	2	7
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/16/11	17/15/11	19/16/12
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	>0.2	NEG	NEG	NEG

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		0	2	0
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	8
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		3	2	2
Calcium	ppm	ASTM D5185m		82	63	64
Phosphorus	ppm	ASTM D5185m		361	315	365
Zinc	ppm	ASTM D5185m		461	432	474
Sulfur	ppm	ASTM D5185m		1723	1448	1654
Acid Number (AN)	mg KOH/g	ASTM D8045		0.25	0.34	0.31
Visc @ 40°C	cSt	ASTM D445		42.4	42.5	42.2



Certificate L2367

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

Sample No. : ML0000188

Lab Number : 06175390

Unique Number : 11021443

Test Package : CONST

Received : 10 May 2024

Tested : 13 May 2024

Diagnosed : 14 May 2024 - Don Baldrige

MARYLAND ENVIRONMENTAL SERVICES

21210 MARTINSBURG RD

DICKERSON, MD

US 20842

Contact: ALAN PARRISH

aparr@menv.com

T: (301)428-8185

F: (301)428-8311

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)