



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO L150H 5363
Component
Transmission (Auto)
Fluid
MOBIL MOBILTRANS AST 40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ML0001310	ML0000194	ML0000161
Sample Date		Client Info		12 Jun 2024	10 Apr 2024	13 Feb 2024
Machine Age	hrs	Client Info		10228	9968	9727
Oil Age	hrs	Client Info		250	1957	1716
Filter Age	hrs	Client Info		250	1957	1716
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	36	112	92
Chromium	ppm	ASTM D5185m	>2	0	<1	0
Nickel	ppm	ASTM D5185m	>2	0	<1	0
Titanium	ppm	ASTM D5185m	>2	0	<1	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>5	<1	2	<1
Lead	ppm	ASTM D5185m	>75	0	<1	0
Copper	ppm	ASTM D5185m	>75	1	4	2
Tin	ppm	ASTM D5185m	>4	0	<1	<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 fluid.

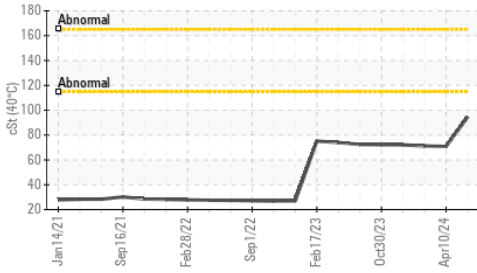
Silicon	ppm	ASTM D5185m	>20	4	6	4
Potassium	ppm	ASTM D5185m	>20	<1	1	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

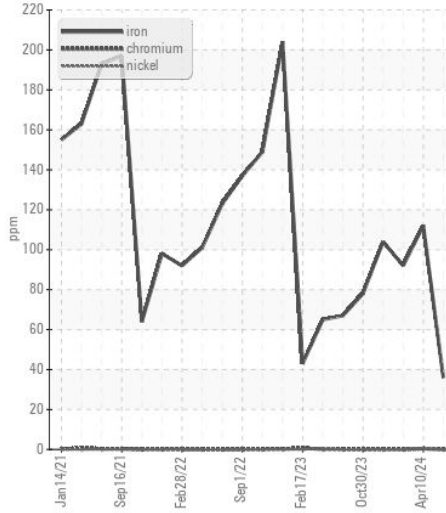
The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		3	<1	3
Boron	ppm	ASTM D5185m		36	57	50
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		13	14	12
Calcium	ppm	ASTM D5185m		2886	2429	2012
Phosphorus	ppm	ASTM D5185m		1003	872	783
Zinc	ppm	ASTM D5185m		1170	992	862
Sulfur	ppm	ASTM D5185m		5625	4614	3609
Visc @ 40°C	cSt	ASTM D445		94.5	70.8	71.2

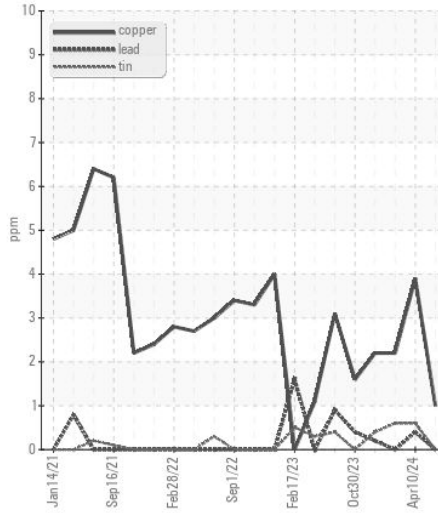
Viscosity @ 40°C



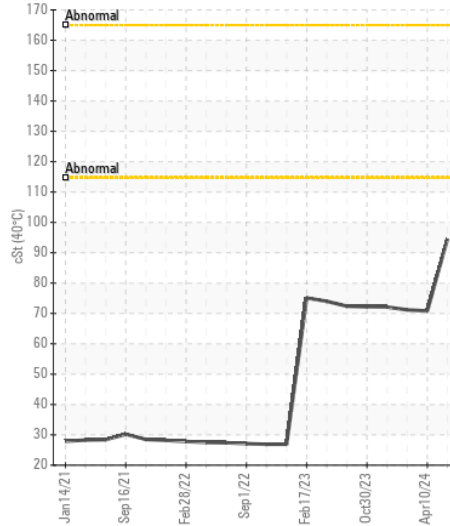
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0001310
Lab Number : 06221715
Unique Number : 11099912
Test Package : CONST

Received : 26 Jun 2024
Tested : 27 Jun 2024
Diagnosed : 28 Jun 2024 - Don Baldrige

MARYLAND ENVIRONMENTAL SERVICES
 21210 MARTINSBURG RD
 DICKERSON, MD
 US 20842

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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)