



VOLVO

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[SWA563649]
 Machine Id
TERRAMAC RT14R 14RH00107
 Component
Front Left Final Drive
 Fluid
SCHAEFFERS 80W90 (--- GAL)

RECOMMENDATION

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

WEAR

Gear wear is indicated. Bearing and/or bushing wear is indicated.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

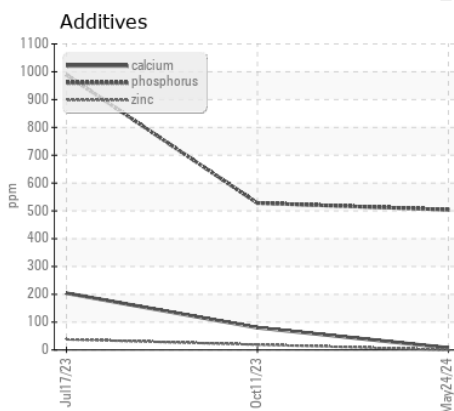
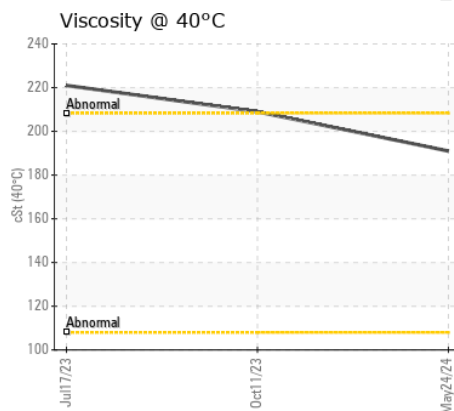
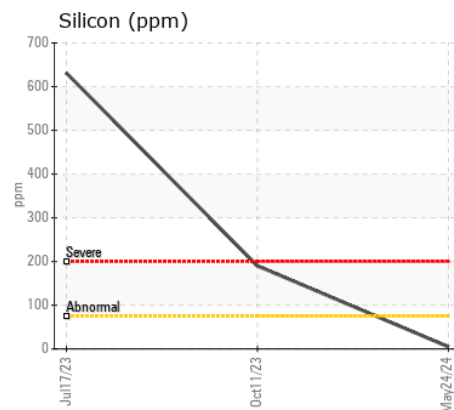
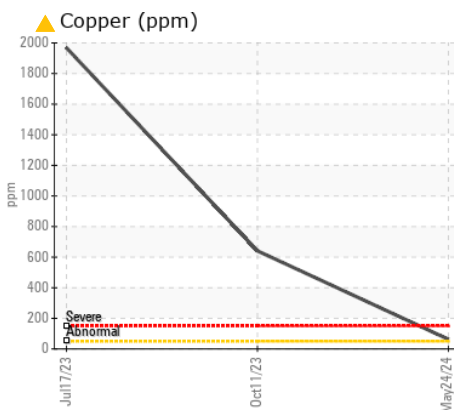
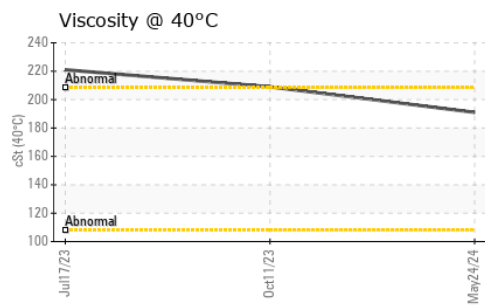
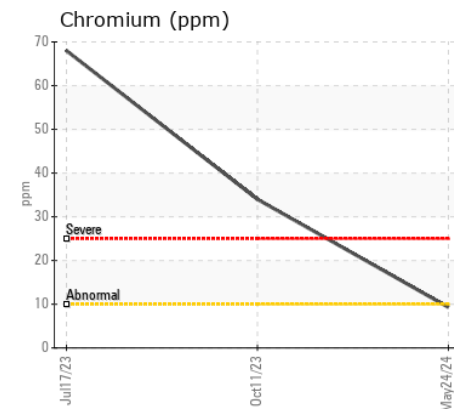
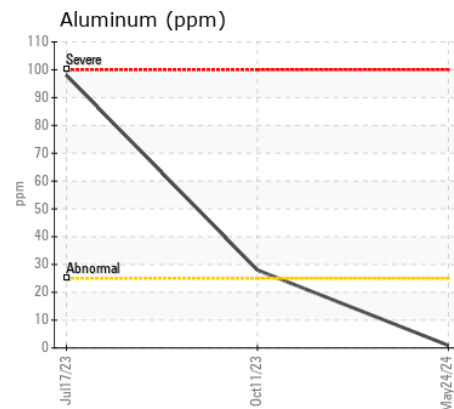
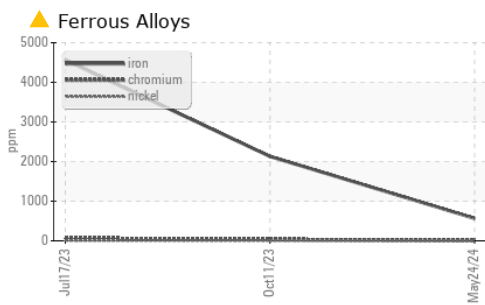
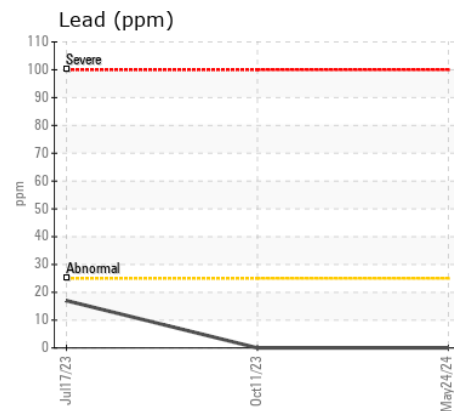
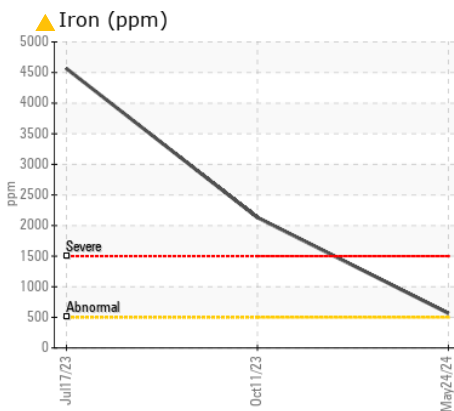
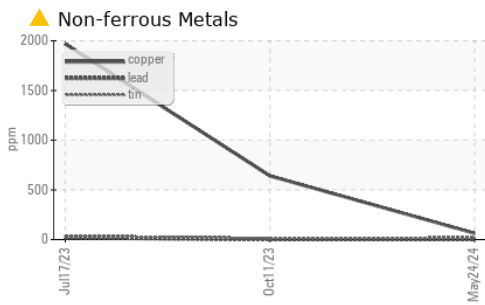
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP435937	VCP435077	VCP395405
Sample Date		Client Info		24 May 2024	11 Oct 2023	17 Jul 2023
Machine Age	hrs	Client Info		2703	2355	4312
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Chngd	Changed	N/A
Filter Changed		Client Info		N/A	Not Chngd	N/A
Sample Status				ABNORMAL	SEVERE	SEVERE

Iron	ppm	ASTM D5185m	>500	▲ 566	▲ 2131	▲ 4564
Chromium	ppm	ASTM D5185m	>10	9	▲ 34	▲ 68
Nickel	ppm	ASTM D5185m	>10	0	2	4
Titanium	ppm	ASTM D5185m		0	3	9
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	● 28	● 98
Lead	ppm	ASTM D5185m	>25	0	0	17
Copper	ppm	ASTM D5185m	>50	▲ 63	▲ 641	▲ 1968
Tin	ppm	ASTM D5185m	>10	▲ 19	▲ 13	▲ 38
Vanadium	ppm	ASTM D5185m		0	<1	2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	5	▲ 190	▲ 631
Potassium	ppm	ASTM D5185m	>20	<1	10	36
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

Sodium	ppm	ASTM D5185m		<1	5	22
Boron	ppm	ASTM D5185m		6	31	100
Barium	ppm	ASTM D5185m		0	1	15
Molybdenum	ppm	ASTM D5185m		24	▲ 229	229
Manganese	ppm	ASTM D5185m		9	14	30
Magnesium	ppm	ASTM D5185m		2	9	39
Calcium	ppm	ASTM D5185m		8	80	204
Phosphorus	ppm	ASTM D5185m		504	528	989
Zinc	ppm	ASTM D5185m		0	19	38
Sulfur	ppm	ASTM D5185m		19552	13732	21605
Visc @ 40°C	cSt	ASTM D445		191	209	221



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP435937
Lab Number : 06197065
Unique Number : 11059188
Test Package : MOB 1
Received : 31 May 2024
Tested : 03 Jun 2024
Diagnosed : 04 Jun 2024 - Don Baldrige

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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)