



VOLVO

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO A30G 742129
Component
Transmission (Auto)
Fluid
VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP443743	VCP417664	VCP425787
Sample Date		Client Info		20 May 2024	12 Aug 2023	30 May 2023
Machine Age	hrs	Client Info		9253	9111	8660
Oil Age	hrs	Client Info		0	1000	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	Changed	Not Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

Gear wear is indicated. High wear metal levels reflect the reported slippage.

Iron	ppm	ASTM D5185m	>160	▲ 208	▲ 194	68
Chromium	ppm	ASTM D5185m	>5	1	<1	0
Nickel	ppm	ASTM D5185m	>5	13	16	▲ 16
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>5	<1	0	0
Aluminum	ppm	ASTM D5185m	>50	30	33	39
Lead	ppm	ASTM D5185m	>50	<1	0	0
Copper	ppm	ASTM D5185m	>225	21	21	13
Tin	ppm	ASTM D5185m	>10	5	4	4
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

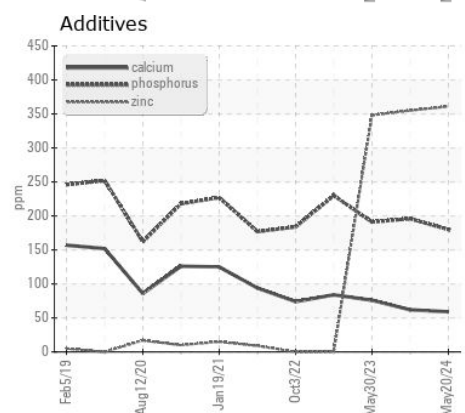
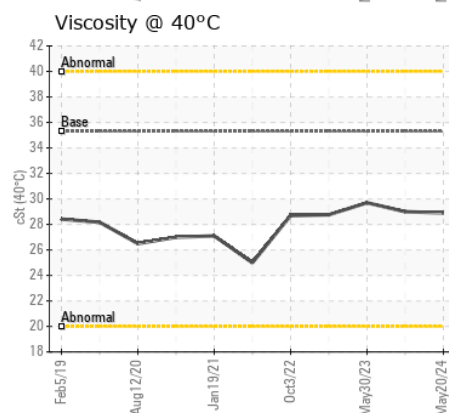
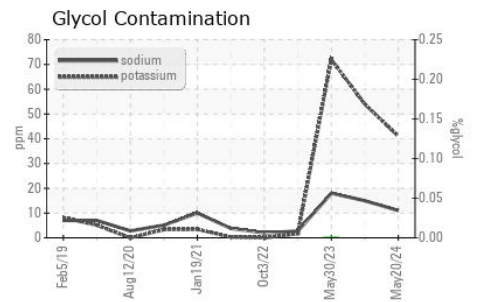
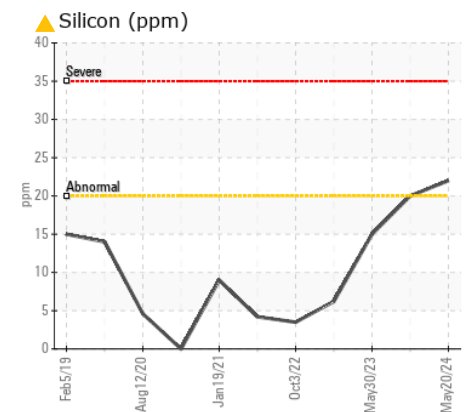
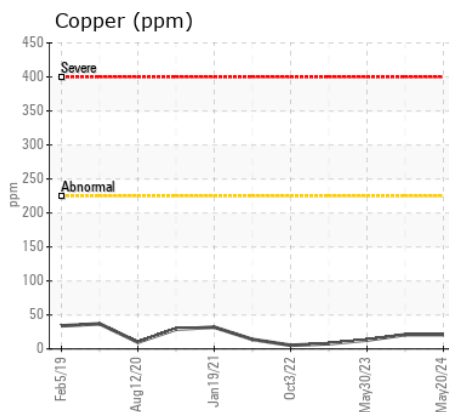
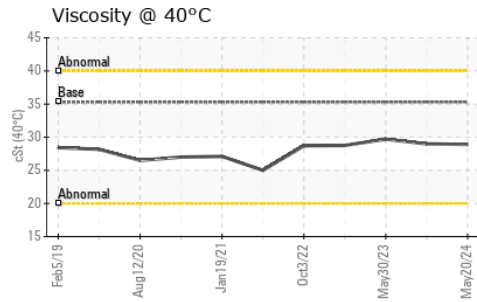
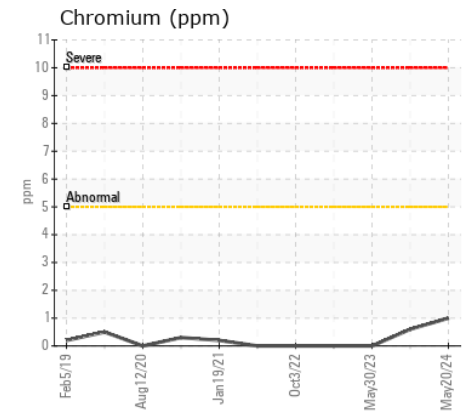
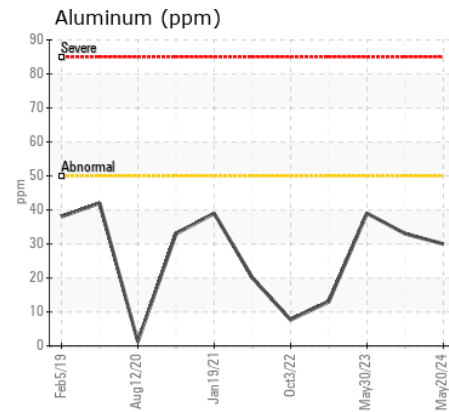
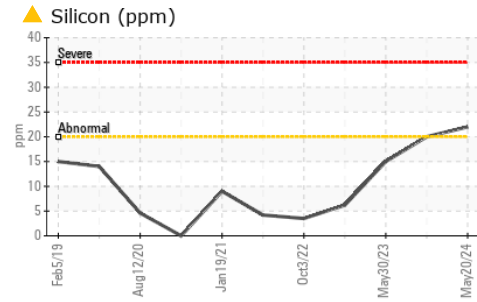
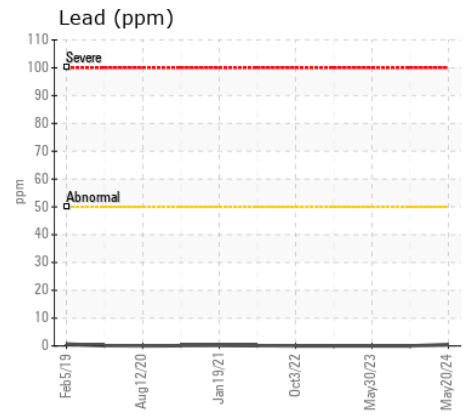
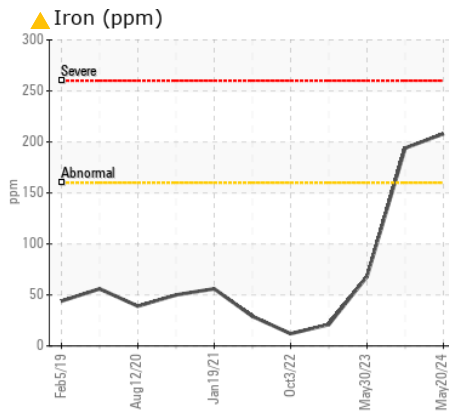
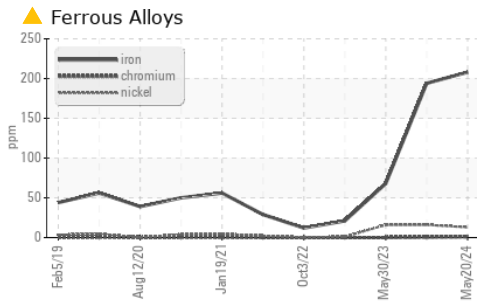
Elemental level of silicon (Si) above normal indicating ingress of seal material.

Silicon	ppm	ASTM D5185m	>20	▲ 22	▲ 20	15
Potassium	ppm	ASTM D5185m	>20	41	54	▲ 72
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol	%	*ASTM D2982		---	---	0.0
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	● HAZY
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	0.2%	▲ 0.2%

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		11	15	18
Boron	ppm	ASTM D5185m	187	55	48	96
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	0.0	5	5	8
Manganese	ppm	ASTM D5185m	0.0	3	3	2
Magnesium	ppm	ASTM D5185m	6.8	6	7	8
Calcium	ppm	ASTM D5185m	215	59	62	76
Phosphorus	ppm	ASTM D5185m	445	180	196	191
Zinc	ppm	ASTM D5185m	56	361	355	348
Sulfur	ppm	ASTM D5185m	1336	1804	2310	2219
Visc @ 40°C	cSt	ASTM D445	35.3	28.9	29.0	29.7



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP443743 **Received** : 22 May 2024
Lab Number : 06188136 **Tested** : 28 May 2024
Unique Number : 11044888 **Diagnosed** : 28 May 2024 - Jonathan Hester
Test Package : MOB 1 (Additional Tests: Glycol)

RIPA AND ASSOCIATES
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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)