



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id
VOLVO A30G#301 (S/N 740069)

Component
Hydraulic System

Fluid
MOBIL MOBILTRANS AST 30 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. NOTE: one of two samples received with same ID and sampling date.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TLY0002311	TLY0002492	TLY0001923
Sample Date		Client Info		20 Jun 2024	20 Jun 2024	30 Oct 2023
Machine Age	hrs	Client Info		7874	7489	7291
Oil Age	hrs	Client Info		7291	7291	1291
Filter Age	hrs	Client Info		7291	7291	1291
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ATTENTION	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	11	20	10
Chromium	ppm	ASTM D5185m	>10	<1	2	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	4	4	4
Lead	ppm	ASTM D5185m	>10	<1	3	<1
Copper	ppm	ASTM D5185m	>75	5	10	5
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

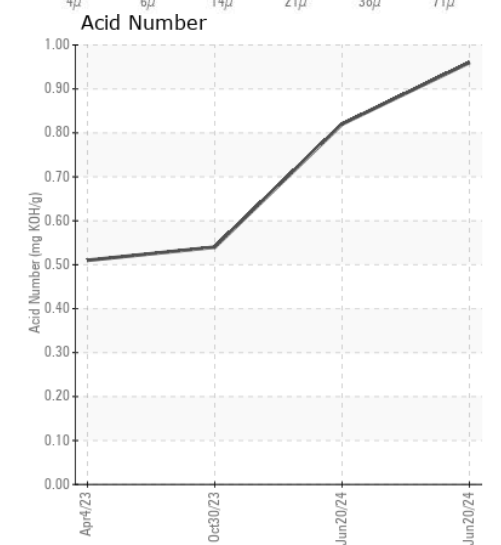
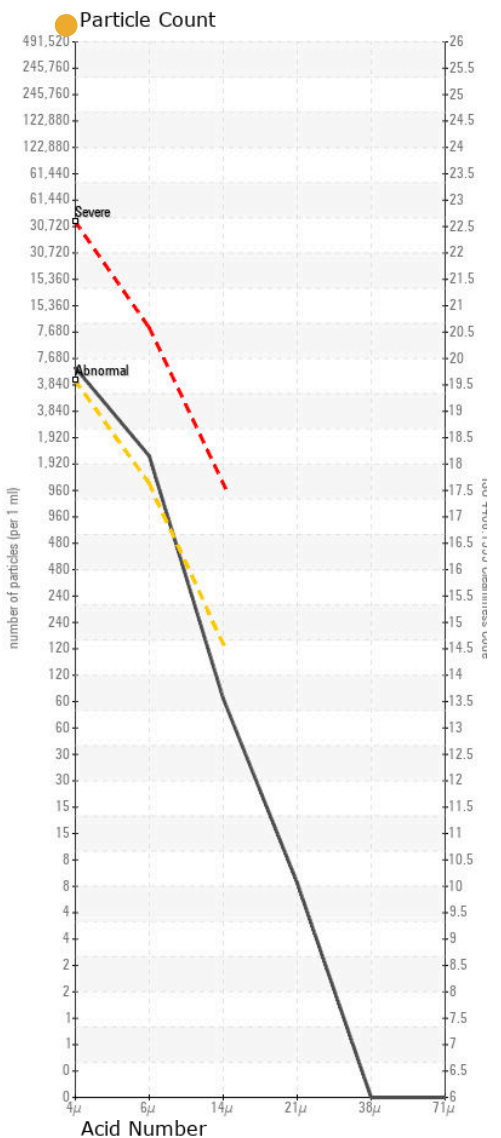
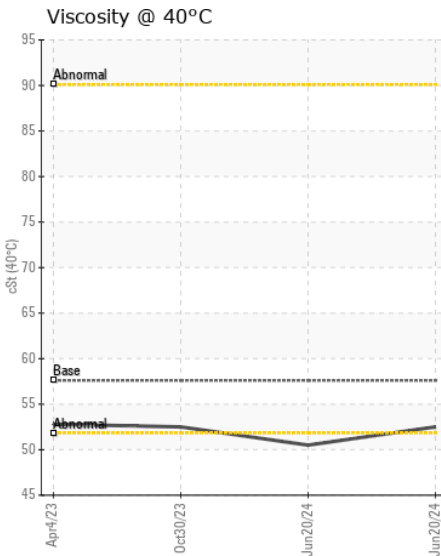
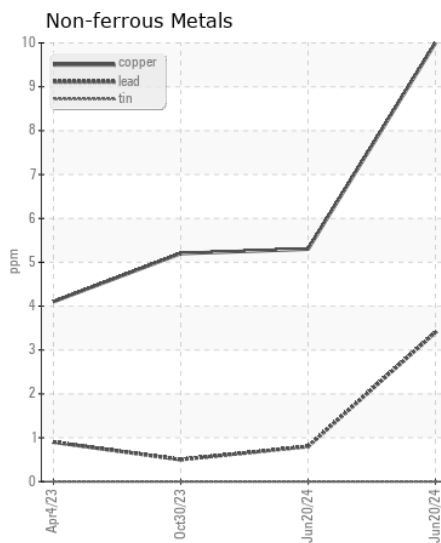
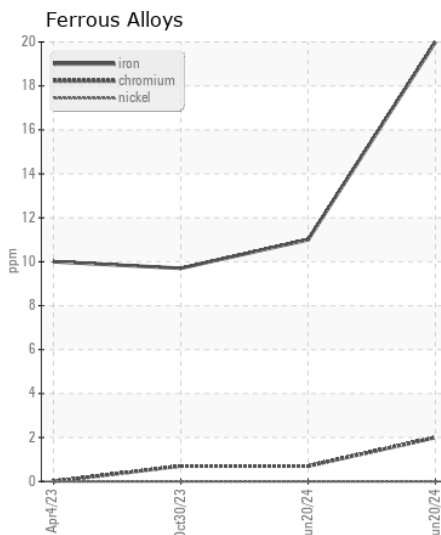
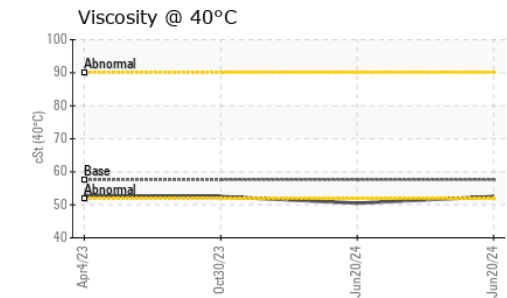
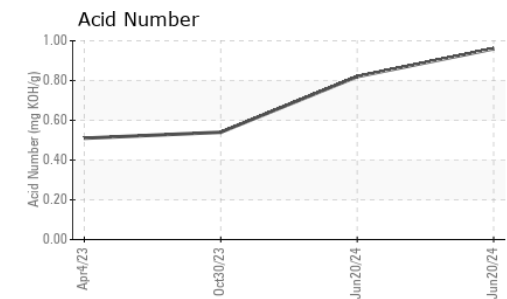
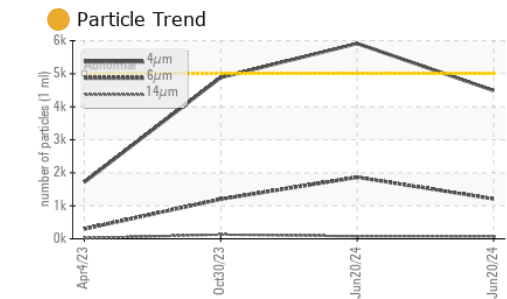
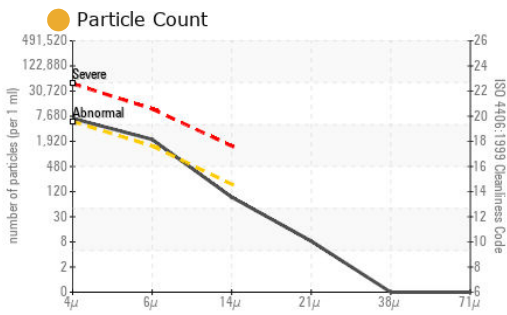
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>20	10	12	10
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	5916	4489	4884
Particles >6µm		ASTM D7647	>1300	1865	1208	1201
Particles >14µm		ASTM D7647	>160	78	72	126
Particles >21µm		ASTM D7647	>40	7	9	57
Particles >38µm		ASTM D7647	>10	0	0	4
Particles >71µm		ASTM D7647	>3	0	0	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/18/13	19/17/13	19/17/14
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	LIGHT	LIGHT
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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		3	3	3
Boron	ppm	ASTM D5185m		10	8	10
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	2	2
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		21	20	13
Calcium	ppm	ASTM D5185m		830	907	772
Phosphorus	ppm	ASTM D5185m		502	499	490
Zinc	ppm	ASTM D5185m		621	628	630
Sulfur	ppm	ASTM D5185m		6085	6302	5281
Acid Number (AN)	mg KOH/g	ASTM D8045		0.96	0.82	0.54
Visc @ 40°C	cSt	ASTM D445	57.6	52.5	50.5	52.5



Certificate L2367

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

Sample No. : TLY0002311

Lab Number : 06221805

Unique Number : 11100002

Test Package : CONST

Received : 26 Jun 2024

Tested : 28 Jun 2024

Diagnosed : 28 Jun 2024 - Don Baldrige

GAINES & COMPANY

112 WESTMINSTER RD

REISTERSTOWN, MD

US 21136

Contact: LANCE TANCRAITOR

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F:

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)