

OIL ANALYSIS REPORT

RT







[W/O 10848] VOLVO L90H 623915

Component

Hydraulic System

Fluid

CHEVRON HYDRAULIC OIL AW ISO 46 (25 GAL

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of particulates present in the oil.

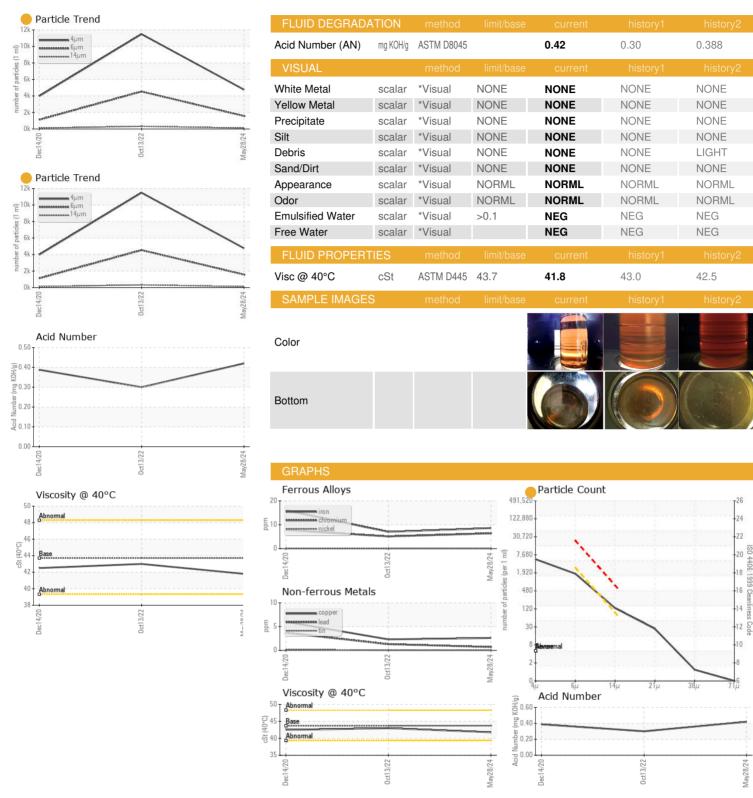
Fluid Condition

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

OIL AW ISO 46 (2	25 GAL)	Dec	2020	Oct2022 May20	024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ML0002188	VCP390094	VCP290789
Sample Date		Client Info		28 May 2024	13 Oct 2022	14 Dec 2020
Machine Age	hrs	Client Info		11224	8591	4845
Oil Age	hrs	Client Info		5186	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ATTENTION	ABNORMAL	ATTENTION
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	9	7	16
Chromium	ppm	ASTM D5185m	>20	6	5	8
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	<1	0
Lead	ppm	ASTM D5185m	>20	<1	1	4
Copper	ppm	ASTM D5185m	>150	3	2	6
Tin	ppm	ASTM D5185m	>20	0	0	<1
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2	0	28
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	2	8
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		6	9	30
Calcium	ppm	ASTM D5185m		87	78	158
Phosphorus	ppm	ASTM D5185m		355	340	363
Zinc	ppm	ASTM D5185m		428	414	449
Sulfur	ppm	ASTM D5185m		1608	1681	2212
CONTAMINANTS	8	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	8	7	18
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m	>20	0	0	<1
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		4763	11485	3973
Particles >6µm		ASTM D7647	>2500	1570	4536	1121
Particles >14μm		ASTM D7647	>80	<u>112</u>	▲ 321	108
Particles >21μm		ASTM D7647	>20	23	△ 41	2 3
Particles >38μm		ASTM D7647	>4	1	3	0
Particles >71μm		ASTM D7647	>3	0	1	0
Oil Cleanliness		ISO 4406 (c)	>/18/13	19/18/14	<u>\$\lambda\$\$ 21/19/16</u>	19/17/14



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Certificate 12367

Laboratory Sample No.

: ML0002188 **Lab Number** : 06196615 Unique Number : 11058738 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 31 May 2024

Tested : 03 Jun 2024 Diagnosed : 03 Jun 2024 - Angela Borella

4601 WASHINGTON BOULEVARD BALTIMORE, MD US 21227

MCCLUNG-LOGAN EQUIPMENT CO - BALTIMORE

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To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)