



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**[W/O 10558]**  
Machine Id  
**VOLVO A30G 742601**  
Component  
**Hydraulic System**  
Fluid  
**CHEVRON HYDRAULIC OIL AW ISO 46 (35 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ML0001178</b>	VCP325381	VCP289242
Sample Date		Client Info		<b>18 Apr 2024</b>	25 Aug 2021	16 Sep 2020
Machine Age	hrs	Client Info		<b>3873</b>	2047	978
Oil Age	hrs	Client Info		<b>3873</b>	0	0
Filter Age	hrs	Client Info		<b>1873</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>4</b>	4	6
Chromium	ppm	ASTM D5185m	>20	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>20	<b>3</b>	1	0
Lead	ppm	ASTM D5185m	>20	<b>2</b>	2	4
Copper	ppm	ASTM D5185m	>150	<b>2</b>	3	6
Tin	ppm	ASTM D5185m	>20	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

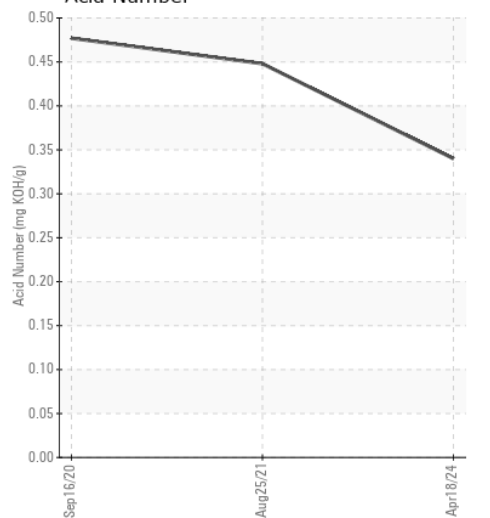
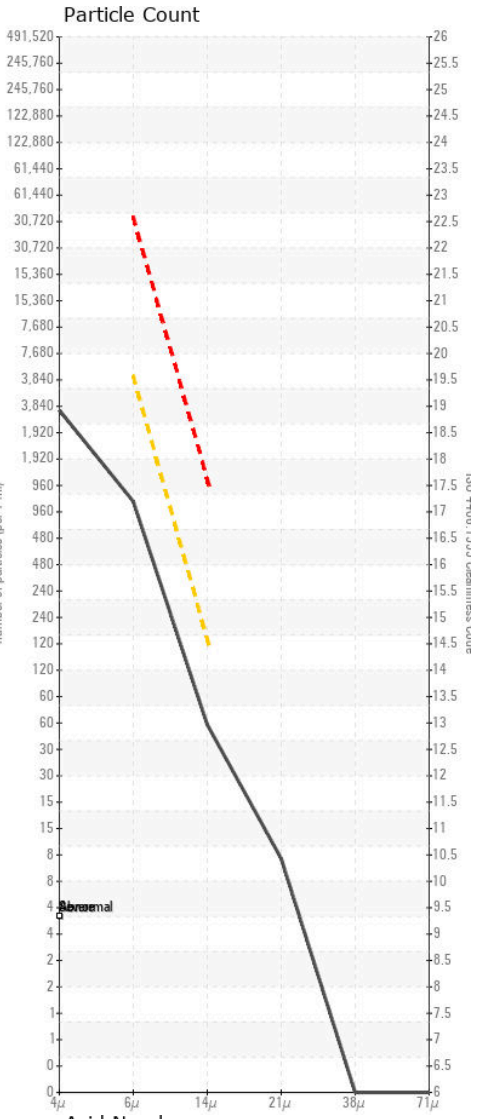
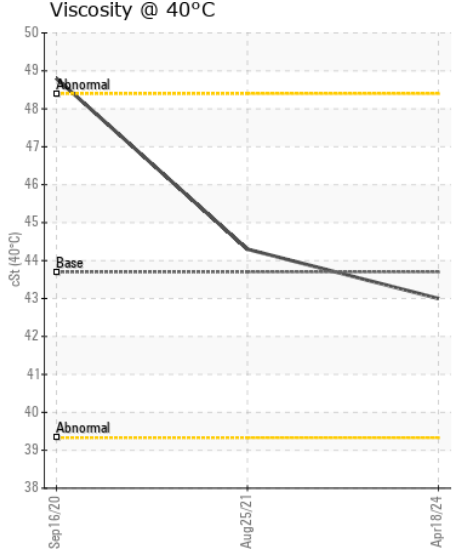
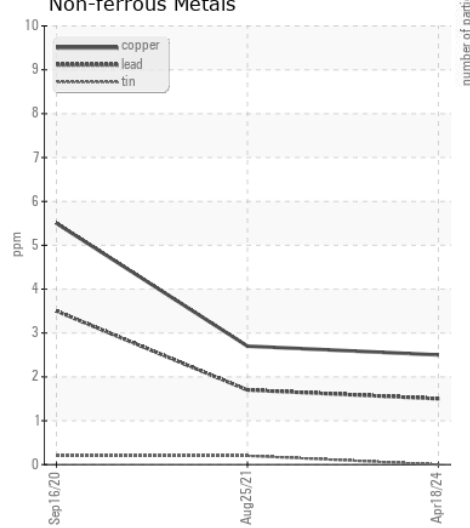
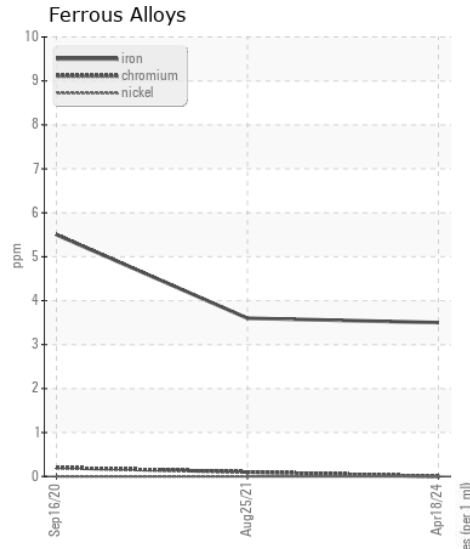
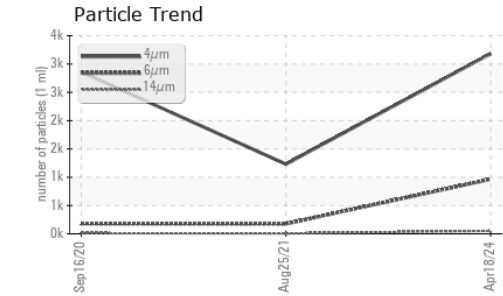
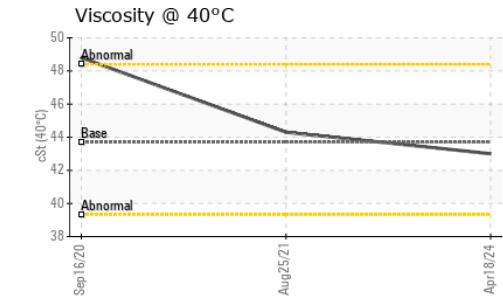
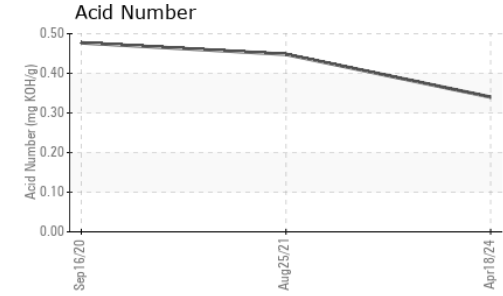
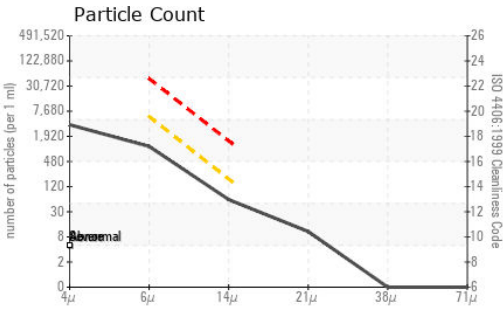
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>5</b>	2	4
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	<1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647		<b>3183</b>	1231	2861
Particles >6µm		ASTM D7647	>5000	<b>965</b>	177	180
Particles >14µm		ASTM D7647	>160	<b>52</b>	6	11
Particles >21µm		ASTM D7647	>40	<b>9</b>	0	4
Particles >38µm		ASTM D7647	>10	<b>0</b>	0	0
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>-/19/14	<b>19/17/13</b>	17/15/10	19/15/11
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	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		<b>2</b>	<1	2
Boron	ppm	ASTM D5185m		<b>1</b>	0	3
Barium	ppm	ASTM D5185m		<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m		<b>0</b>	3	1
Calcium	ppm	ASTM D5185m		<b>114</b>	106	58
Phosphorus	ppm	ASTM D5185m		<b>348</b>	347	344
Zinc	ppm	ASTM D5185m		<b>466</b>	462	462
Sulfur	ppm	ASTM D5185m		<b>3216</b>	2531	3874
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.34</b>	0.448	0.477
Visc @ 40°C	cSt	ASTM D445	43.7	<b>43.0</b>	44.3	48.8



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ML0001178  
**Lab Number** : 06161386  
**Unique Number** : 10996809  
**Test Package** : CONST

**Received** : 26 Apr 2024  
**Tested** : 29 Apr 2024  
**Diagnosed** : 29 Apr 2024 - Don Baldrige

**PLEASANT EXCAVATING COMPANY INC**  
 24024 FREDERICK ROAD  
 CLARKSBURG, MD  
 US 20871

Contact: H TRENT  
 HTRENT@PLEASANTS.ORG

T: (301)252-5635

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)