

# **OIL ANALYSIS REPORT**

Sample Rating Trend





[W02008357] Watchine Io VOLVO A30G 752288 Component Front Axle

{not provided} (11 GAL)

### DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. ( Customer Sample Comment: W02008357 )

Area

## Wear

All component wear rates are normal.

# Contamination

There is no indication of any contamination in the oil.

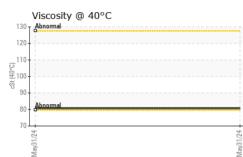
#### Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ML0002440		
Sample Date		Client Info		31 May 2024		
Machine Age	hrs	Client Info		4501		
Oil Age	hrs	Client Info		2000		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>900	269		
Chromium	ppm	ASTM D5185m	>20	5		
Nickel	ppm	ASTM D5185m	>10	3		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>30	1		
Lead	ppm	ASTM D5185m	>50	<1		
Copper	ppm	ASTM D5185m	>150	48		
Tin	ppm	ASTM D5185m	>20	2		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		180		
Barium	ppm	ASTM D5185m		3		
Molybdenum	ppm	ASTM D5185m		5		
Manganese	ppm	ASTM D5185m		15		
Magnesium	ppm	ASTM D5185m		10		
Calcium	ppm	ASTM D5185m		918		
Phosphorus	ppm	ASTM D5185m		1482		
Zinc	ppm	ASTM D5185m		411		
Sulfur	ppm	ASTM D5185m		21831		
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	4		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	4		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	MODER		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	MODER		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG		
·/1·03) Boy: 1					ubmitted By: DA	



# **OIL ANALYSIS REPORT**



	FLUID PROPER	RTIES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445		80.6		
	SAMPLE IMAG	ES	method	limit/base	current	history1	history2
	Color				no image	no image	no image
	Bottom				no image	no image	no image
					-		
	GRAPHS						
	Ferrous Alloys						
Ĩ	250 - chromium						
î	200 -						
bpm	150 -						
	100						
	50						
	0						
	May31/24 -			May31/24 -			
	≝ Non-ferrous Met	als		Mar			
	<sup>50</sup> I			_			
	45						
	35						
maa	25 -						
	20						
	10						
	5						
	May31/24			May31/24			
	≅ Viscosity @ 40°0	2		W			
	130 Abnormal						
1	120 -						
1	115						
cSt (40°C)	105						
SS	95 -						
	90-						
	85 - Abnormal			-			
	75			24			
	May31/24			May31/24			
	WearCheck USA - 5 ML0002440			y, NC 27513 3 Jun 2024		W	PO BOX 6
r :	06198385	Test	:ed : 04	l Jun 2024		C	HANTILLY, V
	11060508	Diag	inosed : 05	Jun 2024 - Se	an Felton	Contact: OFDV	US 2015
	CONST ontact Customer Se					Contact: SERV jimmy_elswick	

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)

Report Id: WILCHA [WUSCAR] 06198385 (Generated: 06/07/2024 01:41:03) Rev: 1

Certificate L2367

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