

# **OIL ANALYSIS REPORT**

Sample Rating Trend





[W02008234] VOLVO A30F 82081 Drop Box

# GEAR OIL SAE 80W140 (3 GAL)

### Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. ( Customer Sample Comment: W02008234 )

Area

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

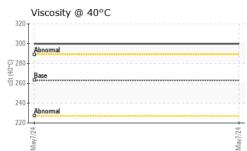
#### Fluid Condition

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

SAMPLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		ML0000959		
Sample Date		Client Info		07 May 2024		
Machine Age	hrs	Client Info		11330		
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	>500	22		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>30	2		
Lead	ppm	ASTM D5185m	>30	0		
Copper	ppm		>30	<1		
Tin	ppm	ASTM D5185m	>20	<1		
Vanadium	ppm	ASTM D5185m	20	<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	400	179		
Barium	ppm	ASTM D5185m	200	0		
Molybdenum	ppm	ASTM D5185m	12	3		
Manganese	ppm	ASTM D5185m	12	<1		
Magnesium	ppm	ASTM D5185m	12	11		
Calcium	ppm	ASTM D5185m	150	135		
Phosphorus		ASTM D5185m	1650	938		
Zinc	ppm	ASTM D5185m	125	936 74		
	ppm					
Sulfur	ppm	ASTM D5185m	22500	25814		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	7		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	2		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
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		
3:45:18) Rev: 1					ibmitted By: DA	RRELL ANDES



## **OIL ANALYSIS REPORT**



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C cSt	ASTM D445	263	300		
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image
GRAPHS					
Ferrous Alloys					
20 - iron 18 - iron nickel					
16- 14-					
8					
6-					
2					
d ay7/24		May7/24			
		Ma			
Non-ferrous Metals					
9 - copper sessessesses lead					
7.					
6 - E. 5 -					
4					
3					
1-					
0 ↓ ###################################		May7/24			
		Mar			
Viscosity @ 40°C					
300-					
290 <b>Abnormal</b> 280 -					
3 270 - <b>Base</b>					
250					
240 230 - Abnormal					
220		+			
May7/24		May7/24			
: WearCheck USA - 501 Madis	on Ave Carv	NC 27513		10/1	
: ML0000959 Rece	eived : 09	May 2024			PO BOX 6
: 06174363 Test : 11020416 Diag		) May 2024 May 2024 - Doi	n Baldridge	С	HANTILLY, V US 201
: CONST	800 227 1260		Daionoye	Contact: SERVI	CE MANAGE

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)

Certificate L2367

Submitted By: DARRELL ANDES

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