

## **OIL ANALYSIS REPORT**

Sample Rating Trend



NORMAL



[W02008234] VOLVO A30F 82081 Component Bogie/Center Axle

# GEAR OIL SAE 80W140 (11 GAL)

DIAGNOSIS	
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.

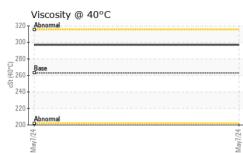
#### Fluid Condition

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

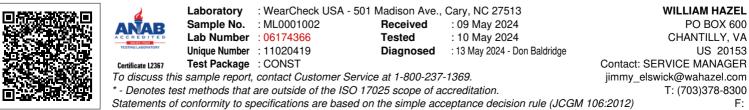
SAMPLE INFORM	<b>MATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		ML0001002		
Sample Date		Client Info		07 May 2024		
Machine Age	hrs	Client Info		11330		
Oil Age	hrs	Client Info		2000		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>630	53		
Chromium	ppm	ASTM D5185m	>15	1		
Nickel	ppm	ASTM D5185m	>8	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>10	2		
Lead	ppm	ASTM D5185m	>4	0		
Copper	ppm	ASTM D5185m	>50	2		
Tin	ppm	ASTM D5185m	>4	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	400	210		
Barium	ppm	ASTM D5185m	200	<1		
Molybdenum	ppm	ASTM D5185m	12	<1		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m	12	9		
Calcium	ppm	ASTM D5185m	150	43		
Phosphorus	ppm	ASTM D5185m	1650	935		
Zinc	ppm	ASTM D5185m	125	31		
Sulfur	ppm	ASTM D5185m	22500	28104		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	3		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	1		
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		
3:45:07) Rev: 1					ubmitted Bv: DA	RRELL ANDES



## **OIL ANALYSIS REPORT**



/isc @ 40°C SAMPLE IMAGES Color Bottom	cSt	ASTM D445 method	limit/base	297 current	 history1	 history2
Color			[		J	
				no image	no imago	no imogo
Bottom				no image	no image	no image
Bottom						
Jottom				no image	no image	no image
				no image	no image	no image
GRAPHS						
Ferrous Alloys						
iron						
sessesses chromium						
+						
+						
42			54			
May7/24			May7/24			
Non-ferrous Metals	;					
copper						
sessesses lead						
•						
-						
-						
+						
5						
May7/24			May7/24			
– Viscosity @ 40°C						
Abnormal						
-						
-						
Base						
-						
Abnormal						
May7/24			May7/24 -			
Mai			May			



Report Id: WILCHA [WUSCAR] 06174366 (Generated: 05/16/2024 13:45:07) Rev: 1

Submitted By: DARRELL ANDES

Page 2 of 2

F: