

# **OIL ANALYSIS REPORT**

Sample Rating Trend





[W02008305] VOLVO A30G 752451

Component Diesel Engine Fluid

{not provided} (11 GAL)

### DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. ( Customer Sample Comment: W02008305)

Area

### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

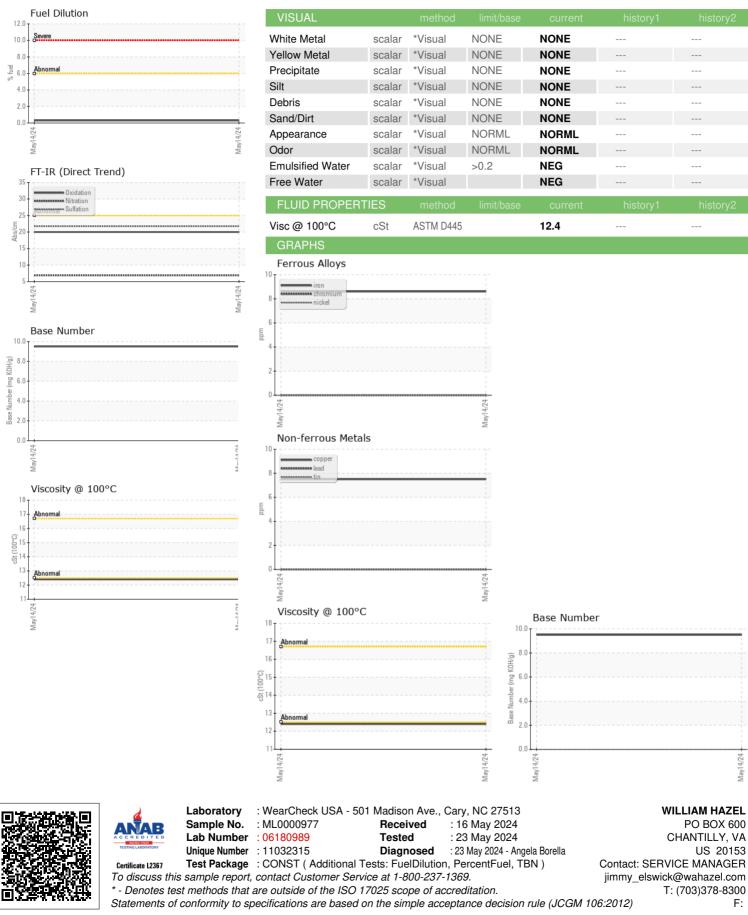
#### Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

752451							
_)				May2024			
SAMPLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2	
Sample Number		Client Info		ML0000977			
Sample Date		Client Info		14 May 2024			
Machine Age	hrs	Client Info		2708			
Oil Age	hrs	Client Info		300			
Oil Changed		Client Info		Changed			
Sample Status				NORMAL			
CONTAMINATION	N	method	limit/base	current	history1	history2	
Water		WC Method	>0.2	NEG			
Glycol		WC Method		NEG			
WEAR METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>100	9			
Chromium	ppm	ASTM D5185m	>20	0			
Nickel	ppm	ASTM D5185m		0			
Titanium	ppm	ASTM D5185m		0			
Silver	ppm	ASTM D5185m	>2	<1			
Aluminum	ppm	ASTM D5185m	>25	2			
_ead	ppm	ASTM D5185m	>40	0			
Copper	ppm	ASTM D5185m	>330	8			
Tin	ppm	ASTM D5185m	>15	0			
Vanadium	ppm	ASTM D5185m		<1			
Cadmium	ppm	ASTM D5185m		0			
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		55			
Barium	ppm	ASTM D5185m		0			
Molybdenum	ppm	ASTM D5185m		44			
Vanganese	ppm	ASTM D5185m		<1			
Vagnesium	ppm	ASTM D5185m		471			
Calcium	ppm	ASTM D5185m		1686			
Phosphorus	ppm	ASTM D5185m		768			
Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m		899 2047			
	ppm			2947			
CONTAMINANTS		method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	6			
Sodium	ppm	ASTM D5185m	00	4			
Potassium	ppm	ASTM D5185m	>20	1			
Fuel	%	ASTM D3524	>6.0	0.3			
		method	limit/base	current	history1	history2	
INFRA-RED		*ASTM D7844	>3	0.1			
	%						
Soot % Nitration	Abs/cm	*ASTM D7624	>20	6.9			
INFRA-RED Soot % Nitration Sulfation				6.9 21.7			
Soot % Nitration	Abs/cm Abs/.1mm	*ASTM D7624	>20				
Soot % Nitration Sulfation	Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415	>20 >30	21.7			



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Submitted By: DARRELL ANDES

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