

# **OIL ANALYSIS REPORT**

Sample Rating Trend







# [W02008356] VOLVO A30G 742230

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. Please specify the brand, type, and viscosity of the oil on your next sample. ( Customer Sample Comment: W02008356 )

#### Wear

All component wear rates are normal.

#### Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

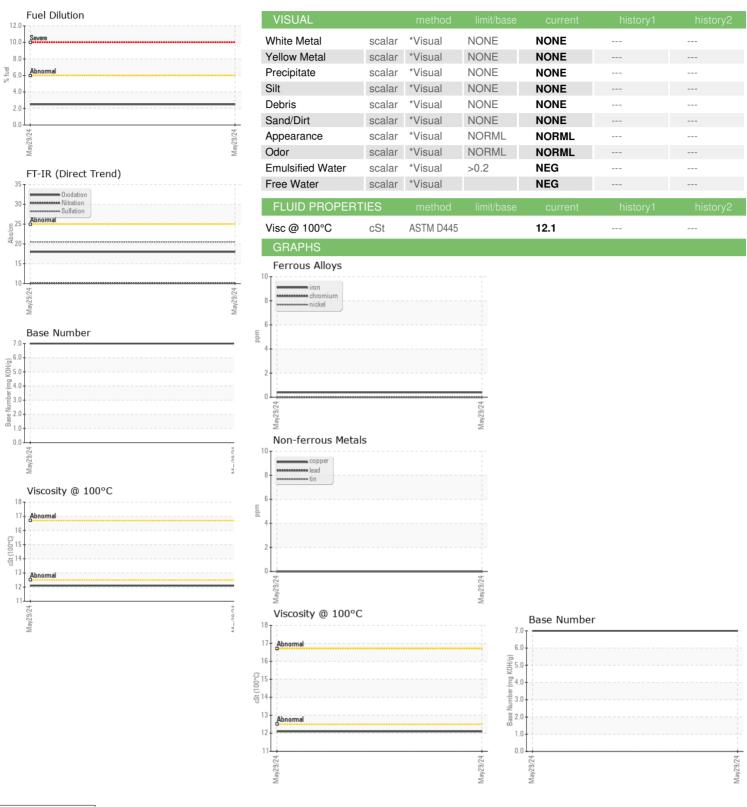
### **Fluid Condition**

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.

_)				May2024		
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SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ML0002435		
Sample Date		Client Info		29 May 2024		
Machine Age	hrs	Client Info		6879		
Oil Age	hrs	Client Info		300		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	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	<1		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>2	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>25	<1		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	0		
Tin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		60		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		41		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		493		
Calcium	ppm	ASTM D5185m		1566		
Phosphorus	ppm	ASTM D5185m		717		
Zinc	ppm	ASTM D5185m		855		
Sulfur	ppm	ASTM D5185m		2424		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	0		
Fuel	%	ASTM D3524	>6.0	2.5		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.8		
Nitration	Abs/cm	*ASTM D7624	>20	10.1		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.5		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.0		
Base Number (BN)	mg KOH/g	ASTM D2896	-	7.0		
= 3.30 · (2.14)				7.10		



# **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : ML0002435 **Lab Number** : 06198516

Received **Tested** Diagnosed

Unique Number : 11060639 : 06 Jun 2024 - Jonathan Hester Test Package : CONST ( Additional Tests: FuelDilution, PercentFuel, TBN )

To discuss this sample report, contact Customer Service at 1-800-237-1369.  $^st$  - Denotes test methods that are outside of the ISO 17025 scope of accreditation. **WILLIAM HAZEL** 

PO BOX 600 CHANTILLY, VA US 20153

Contact: SERVICE MANAGER jimmy\_elswick@wahazel.com T: (703)378-8300

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

: 03 Jun 2024

: 06 Jun 2024