

# **OIL ANALYSIS REPORT**

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# Sample Rating Trend NORMAL



VOLVO L90G 617019
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 40 (--- GAL)

### DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil

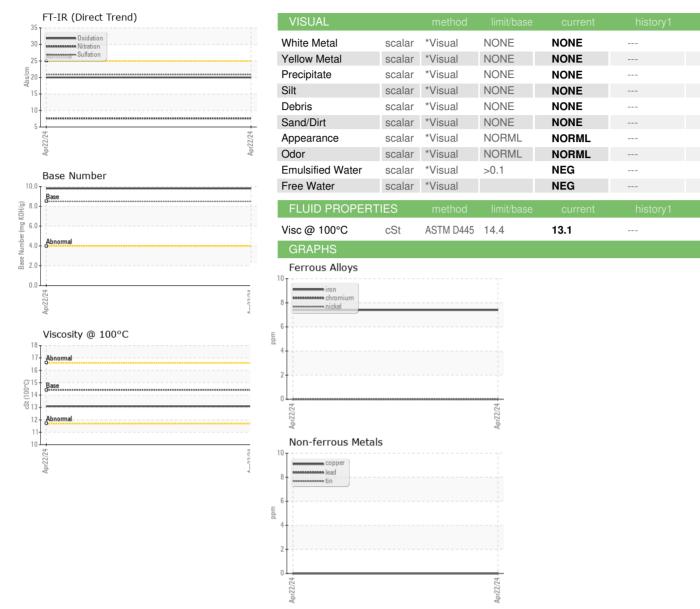
## **Fluid Condition**

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.

AE 40 ( GAL)				Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ML0000962		
Sample Date		Client Info		22 Apr 2024		
Machine Age	hrs	Client Info		16223		
Oil Age	hrs	Client Info		16223		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
<sup>=</sup> uel		WC Method	>6.0	<1.0		
Vater		WC Method	>0.1	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	7		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>10	0		
Fitanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>10	8		
ead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>15	0		
- Tin	ppm	ASTM D5185m	>10	0		
/anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	39		
Barium	ppm	ASTM D5185m	10	0		
Molybdenum	ppm	ASTM D5185m	100	46		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	450	544		
Calcium	ppm	ASTM D5185m	3000	1956		
Phosphorus	ppm	ASTM D5185m	1150	871		
Zinc	ppm	ASTM D5185m	1350	1025		
Sulfur	ppm	ASTM D5185m	4250	3300		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	5		
Sodium	ppm	ASTM D5185m	>216	1		
Potassium	ppm	ASTM D5185m	>20	0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3		
Nitration	Abs/cm	*ASTM D7624	>20	7.6		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.9		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.0		



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Certificate 12367

Laboratory Sample No.

**Lab Number** : 06158725 Unique Number : 10994148

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : ML0000962

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Viscosity @ 100°C

Received **Tested** Diagnosed

Test Package : CONST ( Additional Tests: TBN )

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. **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) Report Id: WILCHA [WUSCAR] 06158725 (Generated: 04/26/2024 11:30:10) Rev: 1

Submitted By: Service - William Brittle

Base Number

(mg K0H/g)

Base

: 24 Apr 2024

: 25 Apr 2024

: 25 Apr 2024 - Sean Felton

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