

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

VOLVO EC250E 314204

Hydraulic System

VOLVO SUPER HYDRAULIC OIL 46 (--- GA

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the fluid.

Fluid Condition

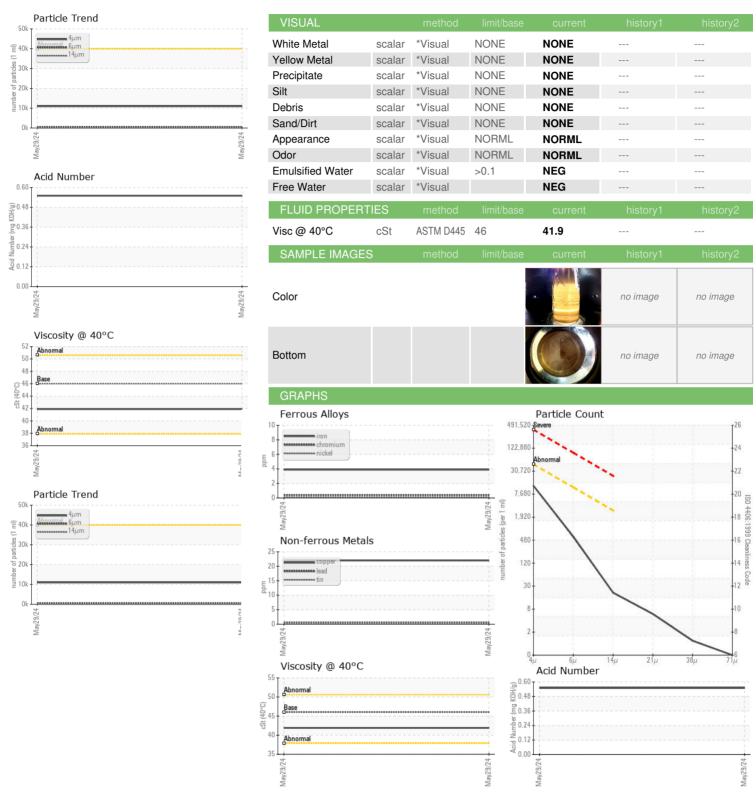
The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

SAMPLE INFORMATION							
Sample Number Client Info 29 May 2024	L)				May2024		
Sample Number Client Info 29 May 2024	OAMBLE INFORM	AATION		11. 11.0		111	1:
Sample Date		MATION		ilmit/base		nistory i	nistory2
Machine Age hrs Client Info 2065			Client Info				
Oil Age hrs Client Info 2065					•		
Oil Changed Sample Status Client Info N/A CONTAMINATION method limit/base current history1 history2 Water WC Method >0.1 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >25 4 Chromium ppm ASTM D5185m >10 <1 Nickel ppm ASTM D5185m >10 <1 Aluminum ppm ASTM D5185m >20 <1 Copper ppm ASTM D5185m >10 <1		hrs	Client Info		2065		
Sample Status	Oil Age	hrs	Client Info		2065		
CONTAMINATION method limit/base current history1 history2 Water WC Method >0.1 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >25 4 Chromium ppm ASTM D5185m >10 <1 Nickel ppm ASTM D5185m >10 <1 Silver ppm ASTM D5185m >20 1 Aluminum ppm ASTM D5185m >20 1 Aluminum ppm ASTM D5185m >20 <1 Lead ppm ASTM D5185m >0 <1 Copper ppm ASTM D5185m >10 <1 Vanadium ppm ASTM D5185m >14 0	Oil Changed		Client Info		N/A		
Water WC Method >0.1 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >25 4 Chromium ppm ASTM D5185m >10 <1 Nickel ppm ASTM D5185m >10 <1 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >20 1 Aluminum ppm ASTM D5185m >20 <1 Lead ppm ASTM D5185m >10 <1 Copper ppm ASTM D5185m 10 <1 Vanadium ppm ASTM D5185m 0 -1 ADDITIVES method limit/base current hist	Sample Status				NORMAL		
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Iron	Water		WC Method	>0.1	NEG		
Chromium ppm ASTM D5185m >10 <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>25	4		
Titanium	Chromium	ppm	ASTM D5185m	>10	<1		
Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >20 1 Lead ppm ASTM D5185m >20 <1 Copper ppm ASTM D5185m >150 22 Tin ppm ASTM D5185m >10 <1 Vanadium ppm ASTM D5185m >10 Cadmium ppm ASTM D5185m 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 ADDITIVES method limit/base current history1 history2 ADDITIVES method limit/base current history1 history2 ADDITIVES method limit/base current history1	Nickel	ppm	ASTM D5185m	>10	<1		
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Tin	Lead	ppm	ASTM D5185m	>20	<1		
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Particles >21μm ASTM D7647 >640 5 Particles >38μm ASTM D7647 >160 1 Particles >71μm ASTM D7647 >40 0 Oil Cleanliness ISO 4406 (c) >22/20/18 21/16/11	Particles >6µm		ASTM D7647	>10000	523		
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Particles >38μm ASTM D7647 >160 1 Particles >71μm ASTM D7647 >40 0 Oil Cleanliness ISO 4406 (c) >22/20/18 21/16/11	Particles >21µm		ASTM D7647	>640	5		
Oil Cleanliness ISO 4406 (c) >22/20/18 21/16/11	·		ASTM D7647	>160			
Oil Cleanliness ISO 4406 (c) >22/20/18 21/16/11	Particles >71µm		ASTM D7647	>40	0		
FLUID DEGRADATION method limit/base current history1 history2			ISO 4406 (c)	>22/20/18	21/16/11		
	FLUID DEGRADA	ATION	method	limit/base	current	history1	history2

Submitted By: Service - Alex Anderson



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

: ML0002805 Lab Number : 06198155 Unique Number : 11060278 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 03 Jun 2024 **Tested** : 05 Jun 2024

Diagnosed : 05 Jun 2024 - Don Baldridge

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND

1345 MOUNTAIN ROAD GLEN ALLEN, VA US 23060

Contact: Alex Anderson aanderson@mcclung-logan.com

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.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (804)266-1611

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