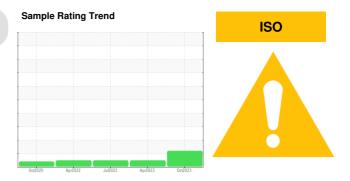
ASCENDUM

PROBLEM SUMMARY

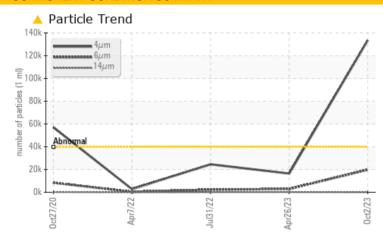


VOLVO EC300E 1741 (S/N 311070)

VOLVO SUPER HYDRAULIC OIL 46 (--- GAL)



COMPONENT CONDITION SUMMARY



RECOMMENDATION

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TI	EST RESULTS				
Sample Status			ABNORMAL	NORMAL	NORMAL
Particles >4µm	ASTM D7647	>40000	<u> </u>	16444	24559
Particles >6µm	ASTM D7647	>10000	19848	2890	2293
Oil Cleanliness	ISO 4406 (c)	>22/20/18	<u> 24/21/11</u>	21/19/14	22/18/14

Customer Id: TRIBUR Sample No.: ASC0000722 **Lab Number:** 05967715 Test Package: MOBCE



To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Resample			?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

26 Apr 2023 Diag: Wes Davis

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



31 Jul 2022 Diag: Don Baldridge

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

View report

07 Apr 2022 Diag: Doug Bogart

NORMAL



Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



ASCENDUM

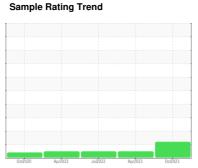
OIL ANALYSIS REPORT



Ascendum Machinery/500 Hour CSA VOLVO EC300E 1741 (S/N 311070)

Component
Hydraulic System

VOLVO SUPER HYDRAULIC OIL 46 (--- GAL)





DIAGNOSIS

Recommendation

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

AULIC OIL 40 (- GAL)	0ct2020	Apr2022	Jul2022 Apr2023	Oct2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ASC0000722	VCP407012	VCP386818
Sample Date		Client Info		02 Oct 2023	26 Apr 2023	31 Jul 2022
Machine Age	hrs	Client Info		7994	7509	6958
Oil Age	hrs	Client Info		2883	1380	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>25	11	8	7
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>20	2	3	4
Lead	ppm	ASTM D5185m	>20	0	2	<1
Copper	ppm	ASTM D5185m	>150	25	20	24
Tin	ppm	ASTM D5185m	>10	0	0	1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	14	0	<1	1
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	0.0	<1	<1	<1
Manganese	ppm	ASTM D5185m	0.0	0	<1	0
Magnesium	ppm	ASTM D5185m	2.6	35	28	35
Calcium	ppm	ASTM D5185m	49	97	100	123
Phosphorus	ppm	ASTM D5185m	354	359	405	413
Zinc	ppm	ASTM D5185m	419	443	464	480
Sulfur	ppm	ASTM D5185m	3719	1546	1548	2084
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	7	6	5
Sodium	ppm	ASTM D5185m		0	2	<1
Potassium	ppm	ASTM D5185m	>20	<1	3	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>40000	<u> </u>	16444	24559
Particles >6µm		ASTM D7647	>10000	<u> </u>	2890	2293
Particles >14µm		ASTM D7647	>2500	19	157	82
Particles >21µm		ASTM D7647	>640	2	33	18
Particles >38µm		ASTM D7647	>160	0	1	1
Particles >71µm		ASTM D7647	>40	0	0	0
Oil Cleanliness		ISO 4406 (c)	>22/20/18	<u>4</u> 24/21/11	21/19/14	22/18/14
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
A -!-! NI:! (ANI)	1/011/	4 OTH 4 DOG 45		0.44	0.40	0.50

Acid Number (AN) mg KOH/g ASTM D8045

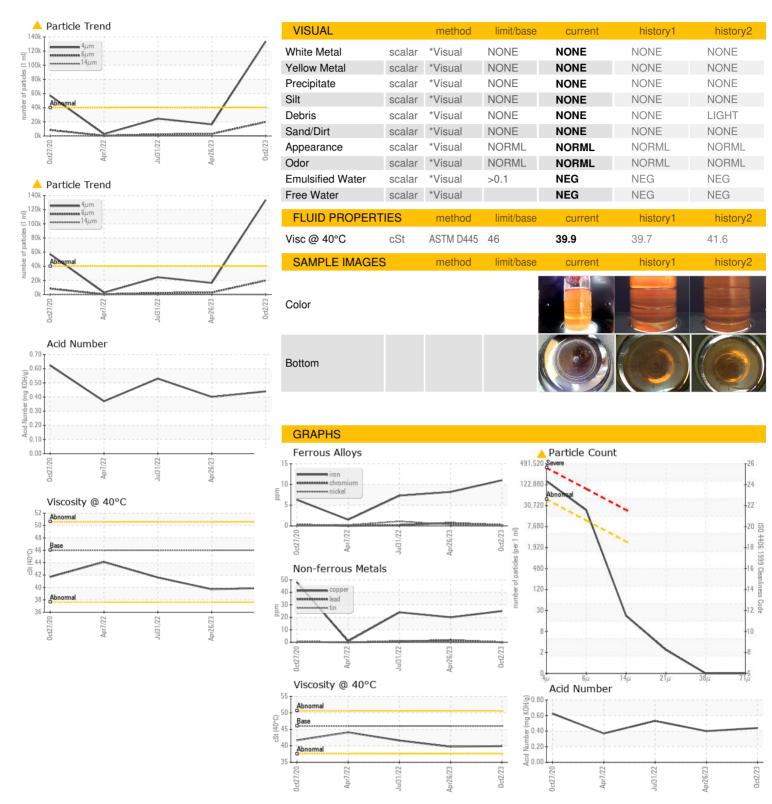
0.40

0.44

0.53

ASCENDUM

OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

Unique Number

: 05967715 : 10674266 Test Package : MOBCE

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 03 Oct 2023 : ASC0000722 Received Diagnosed : 04 Oct 2023

: Wes Davis Diagnostician

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.

US 27216 Contact: KAREN HILLIARD

TRIANGLE GRADING AND PAVING INC

khilliard@trianglegradingpaving.com T: (336)584-1745 F: (336)584-0145

1521 Huffman Mill Rd

BURLINGTON, NC

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