

WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

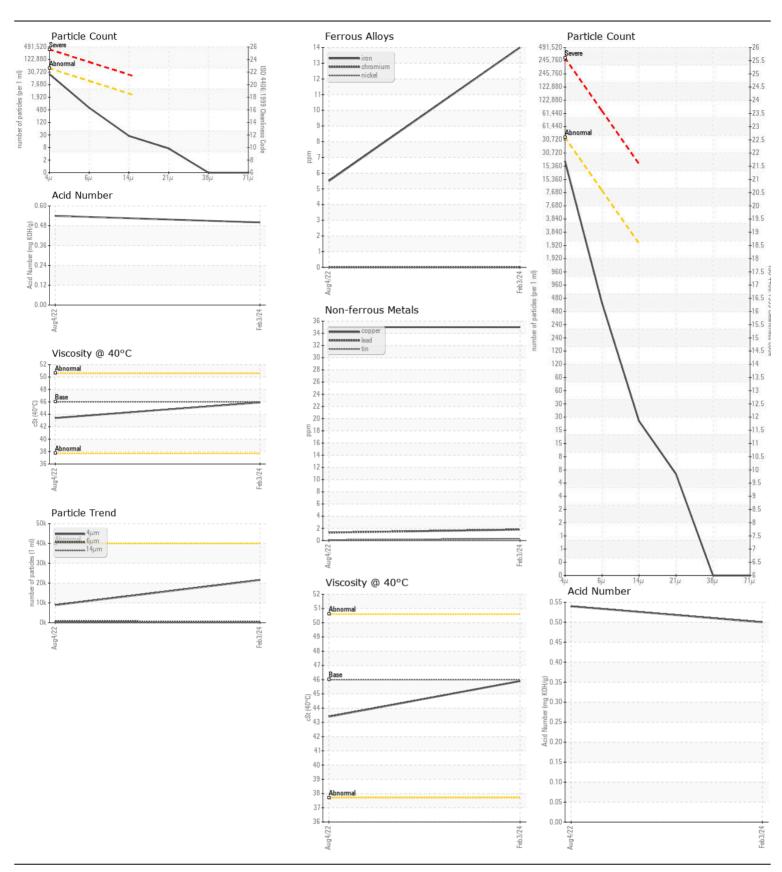


[SPM660661-10]
Machine Id
VOLVO EC200 314412

Component Hydraulic System

VOLVO SUPER HYDRAULIC OIL 46 (--- GAL)

VOLVO SUPER ITIDRAULIC (<u> </u>	 /					
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		VCP431849	VCP354118	
	Sample Date		Client Info		03 Feb 2024	04 Aug 2022	
	Machine Age	hrs	Client Info		2089	974	
	Oil Age	hrs	Client Info		0	1500	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		N/A	Not Changd	
	Filter Changed		Client Info		Changed	Not Changd	
	Sample Status				NORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185m	>25	14	6	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		0	0	
	Nickel	ppm	ASTM D5185m		0	0	
	Titanium	ppm	ASTM D5185m	7.0	<1	0	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	>20	2	<1	
	Lead	ppm	ASTM D5185m		2	1	
	Copper	ppm	ASTM D5185m		35	35	
	Tin	ppm	ASTM D5185m		<1	<1	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	LIGHT	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
	0'''						
CONTAMINATION	Silicon	ppm	ASTM D5185m		9	6	
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		2	1	
	Water		WC Method		NEG	NEG	
	Particles >4µm		ASTM D7647		21540	8882	
	Particles >6µm		ASTM D7647		528	630	
	Particles >14µm		ASTM D7647		24	17	
	Particles >21µm Particles >38µm		ASTM D7647 ASTM D7647		6 0	2	
	Particles >71µm		ASTM D7647		0	0	
	Oil Cleanliness		ISO 4406 (c)		22/16/12	20/16/11	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water		*Visual	>0.1	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	0	
The AN level is acceptable for this fluid. The condition of the oil is	Boron	ppm	ASTM D5185m		0	0	
suitable for further service.	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		<1	<1	
	Manganese	ppm	ASTM D5185m		<1	0	
	Magnesium	ppm	ASTM D5185m		2	2	
	Calcium	ppm	ASTM D5185m		315	105	
	Phosphorus	ppm	ASTM D5185m		406	388	
	Zinc	ppm	ASTM D5185m		478	507	
	Sulfur	ppm	ASTM D5185m	3/19	1498	1259	
	Acid Number (AN)	mg KOH/g	ASTM DA45	16	0.50	0.54	
	Visc @ 40°C	cSt	ASTM D445	46	45.9	43.4	





Certificate L2367

Laboratory Sample No.

Lab Number : 06088120 Unique Number: 10875565

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : VCP431849 Received : 13 Feb 2024 **Tested**

: 14 Feb 2024 : 15 Feb 2024 - Don Baldridge Diagnosed

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC 8418 PALM RIVER ROAD

TAMPA, FL US 33619 Contact: KENNY HANEY

Test Package : MOB 2 To discuss this sample report, contact Customer Service at 1-800-237-1369. khaney@flaglerce.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (813)630-0077

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

F: (813)630-2233