

WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

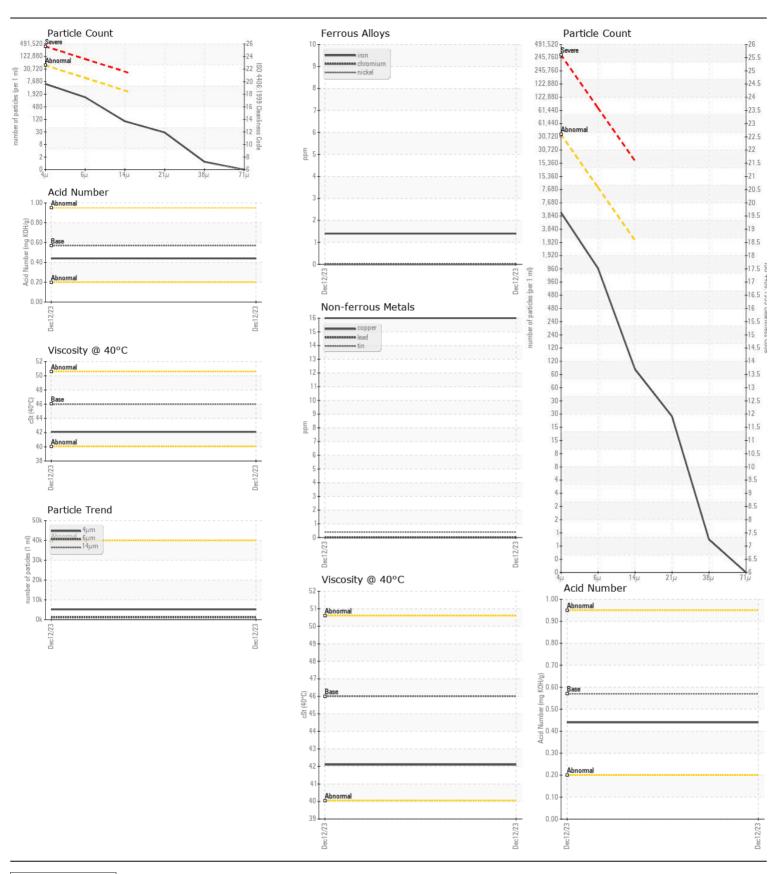


[RENTAL]
Machine Id
VOLVO EC550 310231

Component Hydraulic System

AW HYDRAULIC OIL ISO 46 (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.	Sample Number		Client Info		VCP428755		
	Sample Date		Client Info		12 Dec 2023		
	Machine Age	hrs	Client Info		518		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185m	>25	1		
All component week vetes are normal	Chromium	ppm	ASTM D5185m		0		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>10	0		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>20	0		
	Lead	ppm	ASTM D5185m	>20	0		
	Copper	ppm	ASTM D5185m	>150	16		
	Tin	ppm	ASTM D5185m	>10	<1		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.	Silicon	ppm	ASTM D5185m		1		
	Potassium	ppm	ASTM D5185m		0		
	Water		WC Method		NEG		
	Particles >4µm		ASTM D7647		5188		
	Particles >6µm		ASTM D7647		1207		
	Particles >14μm		ASTM D7647		86		
	Particles >21µm		ASTM D7647		25		
	Particles >38µm		ASTM D7647		1		
	Particles >71μm		ASTM D7647		0		
	Oil Cleanliness		ISO 4406 (c)		20/17/14		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	Scalar	*Visual	>0.1	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2		
	Boron	ppm	ASTM D5185m	5	0		
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m		0		
	Magnesium	ppm	ASTM D5185m	25	0		
	Calcium	ppm	ASTM D5185m		92		
	Phosphorus	ppm	ASTM D5185m		336		
	Zinc	ppm	ASTM D5185m		397		
	Sulfur	ppm	ASTM D5185m		1591		
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.44		
	Visc @ 40°C	cSt	ASTM D445		42.1		





Certificate L2367

Report Id: VOLVO0093 [WUSCAR] 06083558 (Generated: 02/09/2024 17:57:32) Rev: 1

Laboratory Sample No.

: VCP428755 Lab Number : 06083558 Unique Number: 10871003

Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 08 Feb 2024 **Tested**

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

: 09 Feb 2024 : 09 Feb 2024 - Wes Davis Diagnosed

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC 8418 PALM RIVER ROAD

TAMPA, FL US 33619 Contact: KENNY HANEY

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.

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