WEAR CONTAMINATION FLUID CONDITION

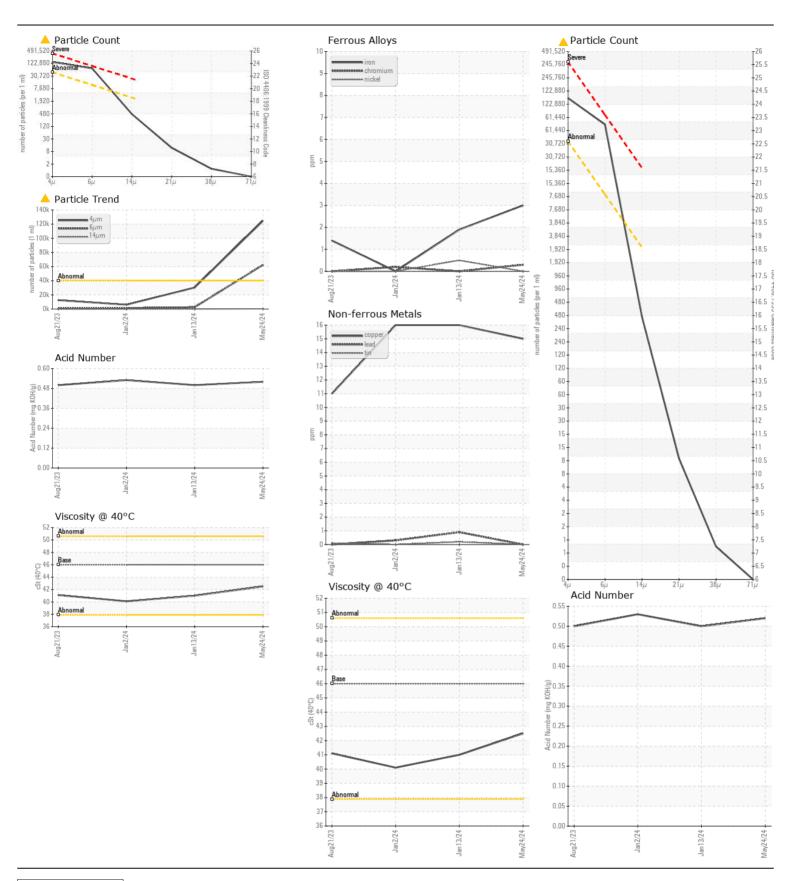
NORMAL ABNORMAL NORMAL



[716821 MOSAIC] **VOLVO EC480EL 315147**

Hydraulic System

RECOMMENDATION The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number	OOW	Client Info	LITTIO/ NOT	VCP454994	VCP454177	VCP45536
	Sample Date		Client Info		24 May 2024	13 Jan 2024	02 Jan 202
	Machine Age	hrs	Client Info		2182	1647	1748
	Oil Age	hrs	Client Info		2182	1647	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed	0	Client Info		Changed	Not Changd	N/A
	Filter Changed		Client Info		Changed	Changed	N/A
	Sample Status				ABNORMAL	NORMAL	NORMAL
VEAR	Iron	ppm	ASTM D5185m	>25	3	2	0
	Chromium	ppm	ASTM D5185m	>10	<1	0	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>10	0	<1	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>20	2	<1	0
	Lead	ppm	ASTM D5185m	>20	0	<1	<1
	Copper	ppm	ASTM D5185m	>150	15	16	16
	Tin	ppm	ASTM D5185m	>10	0	<1	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>50	3	5	4
The section of the se	Potassium	ppm	ASTM D5185m	>20	1	2	0
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.	Water		WC Method	>0.1	NEG	NEG	NEG
	Particles >4µm		ASTM D7647	>40000	<u> </u>	30424	6061
	Particles >6µm		ASTM D7647	>10000	62241	2582	1325
	Particles >14μm		ASTM D7647	>2500	407	28	81
	Particles >21μm		ASTM D7647		10	5	19
	Particles >38µm		ASTM D7647		1	0	0
	Particles >71μm		ASTM D7647		0	0	0
	Oil Cleanliness		ISO 4406 (c)		<u>^</u> 24/23/16	22/19/12	20/18/1
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	2	0
The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.	Boron	ppm	ASTM D5185m	14	5	0	0
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m	0.0	2	0	0
	Manganese	ppm	ASTM D5185m	0.0	0	<1	0
	Magnesium	ppm	ASTM D5185m	2.6	16	2	0
	Calcium	ppm	ASTM D5185m	49	294	68	71
	Phosphorus	ppm	ASTM D5185m	354	408	396	362
	Zinc	ppm	ASTM D5185m		542	484	488
	Sulfur	ppm	ASTM D5185m	3719	1760	1188	1145
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.52	0.50	0.53
	Visc @ 40°C	cSt	ASTM D445	16	42.5	41.0	40.1





Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 11087451

Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : VCP454994 : 06214587

Received : 19 Jun 2024 **Tested** Diagnosed

: 20 Jun 2024 : 20 Jun 2024 - Wes Davis

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC 8418 PALM RIVER ROAD

TAMPA, FL US 33619 Contact: JOHN FARDELLA

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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. T: (813)630-0077 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (813)630-2233