



Machine Id VOLVO ECR235E 314041

Hydraulic System

VOLVO SUPER HYDRAULIC OIL 46 (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		VCP0007800	VCP332972	
	Sample Date		Client Info		15 Apr 2024	02 May 2022	
	Machine Age	hrs	Client Info		1037	1037	
	Oil Age	hrs	Client Info		1037	500	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		N/A	Not Changd	
	Filter Changed		Client Info		N/A	Not Changd	
	Sample Status				NORMAL	NORMAL	
VEAR	Iron	ppm	ASTM D5185m	>25	2	4	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	1	2	
	Nickel	ppm	ASTM D5185m		0	0	
	Titanium	ppm	ASTM D5185m		0	0	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	>20	0	<1	
	Lead	ppm	ASTM D5185m		0	<1	
	Copper	ppm	ASTM D5185m		10	21	
	Tin	ppm	ASTM D5185m	>10	0	0	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>50	6	4	
	Potassium	ppm	ASTM D5185m		9	1	
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.	Water	1-1-1-1-1	WC Method		NEG	NEG	
	Particles >4µm		ASTM D7647		9322	16299	
	Particles >6µm		ASTM D7647		2001	2202	
	Particles >14µm		ASTM D7647		166	95	
	Particles >21µm		ASTM D7647		39	19	
	Particles >38µm		ASTM D7647		2	1	
	Particles >71µm		ASTM D7647		1	0	
	Oil Cleanliness		ISO 4406 (c)	>22/20/18	20/18/15	21/18/14	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	LIGHT	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
	Sodium	ppm	ASTM D5185m		3	0	
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m	14	0	5	
	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		<1	4	
	Manganese	ppm	ASTM D5185m		0	0	
	Magnesium	ppm	ASTM D5185m		2	13	
	Calcium	ppm	ASTM D5185m		148	267	
	Phosphorus	ppm	ASTM D5185m		298	399	
	Zinc		ASTM D5185m		346	498	
		ppm	AGTIVI DOTOOIII	0740	540	450	

Sulfur

ppm ASTM D5185m 3719

Acid Number (AN) mg KOH/g ASTM D8045

Visc @ 40°C cSt ASTM D445 46

1572

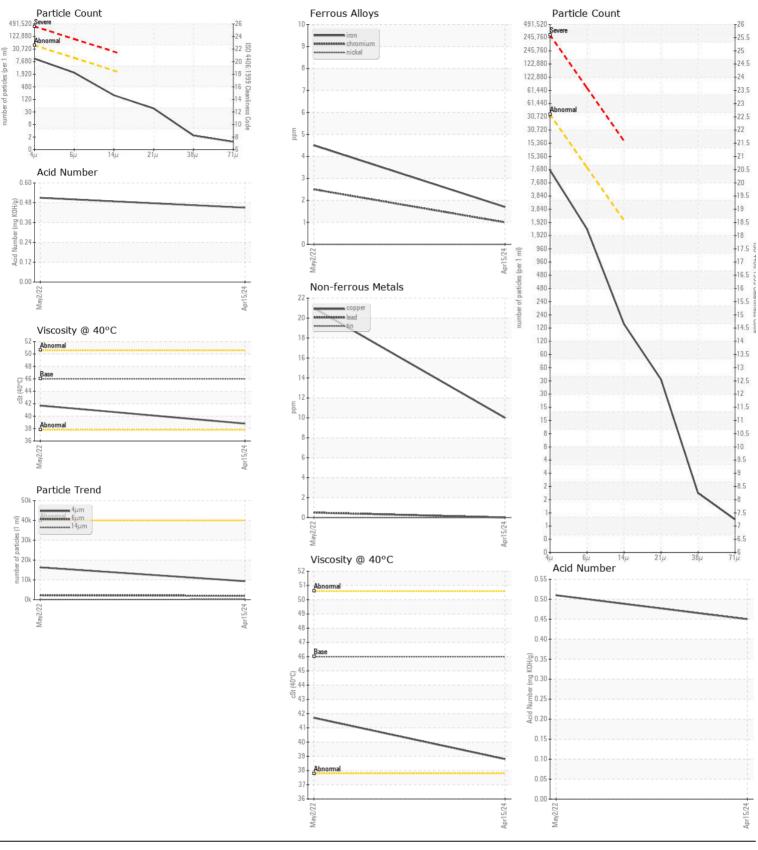
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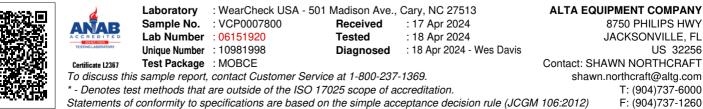
41.7

1838

0.45

38.8





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Submitted By: TECHNICIAN ACCOUNT Page 2 of 2