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## Machine Id **VOLVO EC140E 315905** Com onen **Hydraulic System** VOLVO SUPER HYDRAULIC OIL 46 (--- GAL)

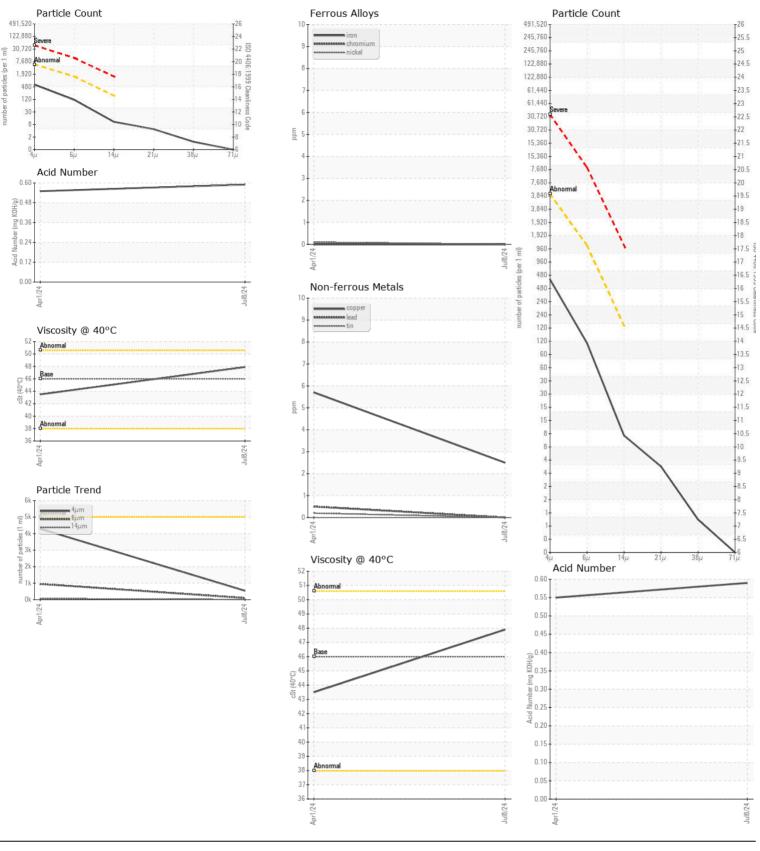
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Decemple at the next comise interval to recriter	Sample Number		Client Info		ASC0008340	ASC0000920	
Resample at the next service interval to monitor.	Sample Date		Client Info		08 Jul 2024	01 Apr 2024	
	Machine Age	hrs	Client Info		964	554	
	Oil Age	hrs	Client Info		964	554	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Not Changd	Not Changd	
	Filter Changed		Client Info		Changed	Not Changd	
	Sample Status				NORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185m	<u>\20</u>	0	0	
WEAN	Chromium	ppm	ASTM D5185m	-	0	0	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	<1	
	Titanium	ppm	ASTM D5185m	210	0	<1	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	>10	0	<1	
	Lead	ppm	ASTM D5185m		0	<1	
	Copper	ppm	ASTM D5185m		2	6	
	Tin	ppm	ASTM D5185m		0	<1	
	Vanadium	ppm	ASTM D5185m	210	0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
		304141	VISUAI			NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	5	4	
The system cleanliness is acceptable for your target ISO 4406	Potassium	ppm	ASTM D5185m	>20	0	<1	
	Water		WC Method	>0.1	NEG	NEG	
cleanliness code. The system and fluid cleanliness is acceptable.	Particles >4µm		ASTM D7647	>5000	534	4298	
	Particles >6µm		ASTM D7647	>1300	101	951	
	Particles >14µm		ASTM D7647	>160	9	66	
	Particles >21µm		ASTM D7647	>40	4	19	
	Particles >38µm		ASTM D7647	>10	1	1	
	Particles >71µm		ASTM D7647	>3	0	0	
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/14/10	19/17/13	
	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	scalar	*Visual	>0.1	NEG	NEG	
	Codium		ACTM DE10Em		.1	.4	
FLUID CONDITION	Sodium Boron	ppm	ASTM D5185m ASTM D5185m	14	<1 0	<1 0	
The AN level is acceptable for this fluid. The condition of the oil is	Barium	ppm	ASTM D5185m	0.0		0	
suitable for further service.	Molybdenum	ppm	ASTM D5185m		0	0	
	Manganese	ppm	ASTM D5185m ASTM D5185m			0	
	Magnesium	ppm	ASTM D5185m		0 2	<1	
	Calcium	ppm	ASTM D5185m ASTM D5185m	2.6 49	2 94	<1 73	
		ppm	ASTM D5185m		94 480	473	
	Phosphorus Zinc	ppm	ASTM D5185m	354 419	460 618	713	
	Sulfur	ppm	ASTM D5185m		1417	1298	
		ppm		3/13	1417	1230	

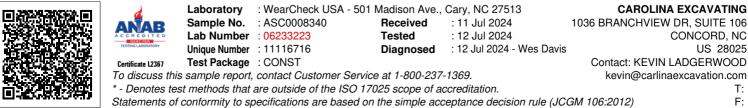
Acid Number (AN) mg KOH/g ASTM D8045 Visc @ 40°C cSt ASTM D445 46 0.55

43.5

0.59

47.9





Submitted By: CLAYTON SMITH Page 2 of 2