

CONSTRUCTION EQUIPMENT 23-06 VOLVO EC220 310415 - DIESEL ENGINE



Sample No: VCP421786

Oil Type: DIESEL ENGINE OIL SAE 40

Job No: 23-06

CAMDIE	NFORMATION				
	AF UKMA I IUN				.
Sample Number		VCP421786	VCP180780	VCP182315	
Sample Date		08 May 2024	28 Apr 2021	02 Oct 2019	
Machine Hours		2677	1766	488	
Oil Hours		110	565	488	
Oil Changed		Changed	Changed	Changed	
Sample Status		ABNORMAL	NORMAL	NORMAL	
VOLVO					
OIL CONDI	TION				
Visc @ 100°C	cSt	13.6	14.5	□ 13.5	
Base Number (BN)	ma KOH/a	■7.1			
Oxidation (PA)	%	49	58	54	
CONTAMIA	IATION .				
CONTAMIN					
Water	%	NEG	NEG	NEG	
Soot %	%	■ 0.2	□ 0.2	□ 0.1	
Nitration (PA)	%	73	79	58	
Sulfation (PA)	%	52	60	49	
Glycol	%	NEG	NEG	NEG	
Fuel	%	<1.0	<1.0	<1.0	
Silicon	ppm	14	1 2	■21	
Sodium	ppm	2	4	4	
Potassium	ppm	3	2	4	
VOLVO					
WEAR ME	TALS				
Iron	ppm	<u> 114</u>	■31	□ 56	
Copper	ppm	■ 5	1 2	1 0	
Lead	ppm	■ <1	<1	<1	
Tin	ppm	<u> </u>	<1	1	
Aluminum	ppm	<u> </u>	<u></u> 5	1 6	
Chromium	ppm	2	1	4	
Molybdenum	ppm	25	1 8	<u>21</u>	
Nickel	ppm	2	- <1	5	
Titanium	ppm		- <1	0	
Silver	ppm		0	0	
Manganese	ppm	1	< 1	5	
Vanadium	ppm	<1	0	0	
ADDITIVES	7				
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Calcium	ppm	2011	2080	2003	
Magnesium	ppm	248	282	173	

1073

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986

■844

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GLOVER CONSTRUCTION CO. INC.

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Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. We recommend an early resample to monitor this condition. Piston, ring and cylinder wear is indicated. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Depot:GLOPLEUnique No:11085932Signed:Don BaldridgeReport Date:20 Jun 2024

Contact/Location: BRENDA GAY - GLOPLE

1124

951

-<1

6

ppm

ppm

ppm

ppm

Zinc

Barium

Boron

Phosphorus



CONSTRUCTION EQUIPMENT





