

CONSTRUCTION EQUIPMENT

SW1026881 MGC VOLVO ECR145E 314588 - DIESEL ENGINE

Sample No: VCP441358

Oil Type: DIESEL ENGINE OIL SAE 15W40

Job No: SW1026881 MGC

VOLVO				
SAMPLE II	NFORMATION			
Sample Number		VCP441358	VCP353734	
Sample Date		29 Nov 2023	29 Jul 2022	
Machine Hours		1011	502	
Oil Hours		0	0	
Oil Changed		Changed	Changed	
Sample Status		ABNORMAL	ABNORMAL	
VOLVO	TION			
OIL CONDI			<u> </u>	
Visc @ 100°C	cSt	13.4	13.2	
Base Number (BN)		■9.1	7.1	
Oxidation (PA)	%	65	49	
CONTAMIN	ΝΔΤΙΩΝ			
_		NEC	NEC	
Water	%	NEG	NEG	
Soot %		■0.2	0.2	
Vitration (PA)	%	61	65	
Sulfation (PA)	%	53	53	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	9	21	
Sodium	ppm	■<1	2	
Potassium	ppm	2	0	
VOLVO				
WEAR ME	TALS			
ron		1 51	1 45	
Copper	ppm	4	11	
Lead	ppm	0		
Leau Tin	ppm	0	3	
Aluminum	ppm	▲ 19	▲ 36	
Chromium	ppm	1 9	5	
Molybdenum	ppm	■ 47	7	
Vickel		2	11	
Titanium	ppm	0	<1	
Silver	ppm	■0	<1	
Manganese	ppm	0	1 4	
Vanadium	ppm	0	0	
ranaulum	ppm	U	U	

2122

72

997

■821

0



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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. Resample at the next service interval to monitor. The aluminum level has decreased, but is still abnormal. All other component wear rates are normal. 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:VOLVO6174Unique No:10776018Signed:Don BaldridgeReport Date:07 Dec 2023

1334

661

■871

2

14

1096

ADDITIVES

ppm

ppm

ppm

ppm

ppm

ppm

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus



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