

CONSTRUCTION EQUIPMENT 18965 VOLVO A45G 353358 - DIESEL ENGINE



Sample No: VCP410414

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No: 18965

SAMPLE II	NFORMATION			
Sample Number		VCP410414	VCP395630	
Sample Date		29 Jun 2023	21 Feb 2023	
Machine Hours		984	506	
Oil Hours		478	506	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	ABNORMAL	
Sample Status		NORWAL	ADNOMINAL	
VOLVO				
OIL CONDI	TION			
Visc @ 100°C	cSt	12.9	<u> </u>	
Base Number (BN)	mg KOH/g	■8.4	■6.4	
Oxidation (PA)	%	61	61	
CONTAMI	NATION			
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Soot %	%	■ 0.3	■ 0.3	
Nitration (PA)	%	63	82	
Sulfation (PA)	%	55	55	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	■ 0.8	
Silicon	ppm	6	■24	
Sodium	ppm	0	■3	
Potassium	ppm	2	2	
WEAR ME	TALS			
Iron	ppm	10	2 0	
Copper	ppm	■74	△ 352	
Lead	ppm		- <1	
Tin	ppm	<u> </u>	4	
Aluminum	ppm	1	2	
Chromium	ppm	<u> </u>	- <1	
Molybdenum	ppm	■ 66	■84	
Nickel	ppm	■5	7	
Titanium	ppm	0	0	
Silver	ppm	0	0	
Manganese	ppm	■<1	2	
Vanadium	ppm	0	0	
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ADDITIVE	2			
Calcium	ppm	1215	□2206	
Magnesium	ppm	809	71	
wagnesiam	PPIII		7 1	

1185

987

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GAINES & CO

526 THREE SISTERS RD KNIGHTDALE, NC US 27545 Contact: BEAR PERONE gperone@gainesandco.com T: (919)524-4711 F: (919)944-0091

Diagnosis

Resample at the next service interval to monitor. All 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:GAIKNIUnique No:10552482Signed:Don BaldridgeReport Date:14 Jul 2023

ppm

ppm

ppm

ppm

Zinc

Barium

Boron

Phosphorus

1236

1044

0



CONSTRUCTION EQUIPMENT





GRAPHS

