



CONSTRUCTION EQUIPMENT

5520DR KINSLEY VOLVO A40E 13563 - DROP BOX



Sample No: VCP431873
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 5520DR KINSLEY



SAMPLE INFORMATION

Sample Number	VCP431873	VCP146015	---	---
Sample Date	03 May 2024	21 Jun 2013	---	---
Machine Hours	13358	2149	---	---
Oil Hours	1000	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

HIGHWAY EQUIPMENT & SUPPLY CO
 PO BOX 127
 DRUMS, PA
 US 18222
 Contact: JOSEPH GLOWACKI
 joe@hwyequip.com
 T: (570)788-1127
 F: (570)708-2933



OIL CONDITION

Visc @ 40°C	cSt	268	300.6	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	43	6	---	---
Sodium	ppm	2	1	---	---
Potassium	ppm	1	0	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The iron level is abnormal. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	547	38	---	---
Copper	ppm	1	<1	---	---
Lead	ppm	<1	1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	5	3	---	---
Chromium	ppm	9	1	---	---
Molybdenum	ppm	45	2	---	---
Nickel	ppm	4	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	7	1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	158	64	---	---
Magnesium	ppm	8	5	---	---
Zinc	ppm	144	73	---	---
Phosphorus	ppm	1239	992	---	---
Barium	ppm	2	0	---	---
Boron	ppm	128	55	---	---

Depot: VOLVO0022
Unique No: 11020320
Signed: Angela Borella
Report Date: 13 May 2024



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GRAPHS

