



CONSTRUCTION EQUIPMENT

A12465 VOLVO A35G 352266 - DIESEL ENGINE



Sample No: VCP438205
Oil Type: MOBIL 15W40
Job No: A12465



SAMPLE INFORMATION

Sample Number	VCP438205	VCP429684	---	---
Sample Date	16 Apr 2024	06 Dec 2023	---	---
Machine Hours	550	236	---	---
Oil Hours	250	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

JAMES J ANDERSON
 6958 TORRESDALE AVENUE
 PHILADELPHIA, PA
 US 19135
 Contact: JOHN HERBUT
 herb@jjaconstruction.com
 T: (215)850-9051
 F: (215)427-0208



OIL CONDITION

Visc @ 100°C	cSt	12.0	▲ 10.8	---	---
Base Number (BN)	mg KOH/g	9.5	■ 6.9	---	---
Oxidation (PA)	%	78	53	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	■ 0.1	---	---
Nitration (PA)	%	57	68	---	---
Sulfation (PA)	%	60	49	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	■ 0.4	---	---
Silicon	ppm	11	■ 25	---	---
Sodium	ppm	3	■ 2	---	---
Potassium	ppm	0	■ 3	---	---



WEAR METALS

Iron	ppm	7	■ 12	---	---
Copper	ppm	10	■ 62	---	---
Lead	ppm	0	■ 2	---	---
Tin	ppm	<1	■ 2	---	---
Aluminum	ppm	<1	■ 2	---	---
Chromium	ppm	0	■ <1	---	---
Molybdenum	ppm	42	■ 81	---	---
Nickel	ppm	<1	■ <1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	■ 0	---	---
Manganese	ppm	<1	■ 2	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	1675	■ 2149	---	---
Magnesium	ppm	403	0	---	---
Zinc	ppm	965	■ 1227	---	---
Phosphorus	ppm	881	■ 1030	---	---
Barium	ppm	0	■ 0	---	---
Boron	ppm	52	■ 58	---	---

Depot: JAAPHI
Unique No: 10990950
Signed: Sean Felton
Report Date: 24 Apr 2024



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GRAPHS

