



CONSTRUCTION EQUIPMENT

ASCENDUM MACHINERY 60581 VOLVO A25G 752281 - DIESEL ENGINE



Sample No: VCP422210
Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40
Job No: 60581



SAMPLE INFORMATION

Sample Number	VCP422210	VCP377677	VCP0001842	---
Sample Date	01 Dec 2023	15 Sep 2022	18 May 2022	---
Machine Hours	1550	976	547	---
Oil Hours	0	0	547	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	MARGINAL	ABNORMAL	---

CD PHILEMON GRADING AND TRUCKING INC
3512 TARLTON MILL RD
MARSHVILLE, NC
US 28174
Contact: Service Manager

OIL CONDITION

Visc @ 100°C	cSt	12.3	12.3	▲ 10.9	---
Base Number (BN)	mg KOH/g	7.8	9.8	7.4	---
Oxidation (PA)	%	61	69	62	---

T:
F:

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 suitable for further service.

CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.3	0.2	0.2	---
Nitration (PA)	%	68	62	58	---
Sulfation (PA)	%	54	60	55	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	0.8	---
Silicon	ppm	6	9	▲ 49	---
Sodium	ppm	0	0	1	---
Potassium	ppm	3	2	4	---

WEAR METALS

Iron	ppm	25	15	32	---
Copper	ppm	170	▲ 175	▲ 485	---
Lead	ppm	0	<1	<1	---
Tin	ppm	<1	1	3	---
Aluminum	ppm	3	2	3	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	66	61	59	---
Nickel	ppm	4	0	<1	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	<1	0	3	---
Manganese	ppm	<1	<1	4	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	1217	1355	1805	---
Magnesium	ppm	856	640	403	---
Zinc	ppm	1213	1129	1359	---
Phosphorus	ppm	1031	957	1107	---
Barium	ppm	0	0	0	---
Boron	ppm	8	24	95	---

Depot: CDPMAR
Unique No: 10769492
Signed: Jonathan Hester
Report Date: 06 Dec 2023



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GRAPHS

