



CONSTRUCTION EQUIPMENT

SPM646532 VOLVO A25G 352579 - DIESEL ENGINE



Sample No: VCP421623
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM646532



SAMPLE INFORMATION

Sample Number	VCP421623	VCP386788	VCP396742	VCP371619
Sample Date	26 Dec 2023	10 Jul 2023	10 Apr 2023	30 Jun 2022
Machine Hours	3034	2460	1967	1071
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

A J MCDIRT
P.O. BOX 781
STERLING, IL
US 61081
Contact: SERVICE MANAGER

OIL CONDITION

Visc @ 100°C	cSt	13.0	13.1	12.8	12.8
Base Number (BN)	mg KOH/g	7.9	8.6	7.1	9.0
Oxidation (PA)	%	59	55	53	69

T: (815)631-1606
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	NEG
Soot %	%	0.9	0.5	0.4	0.6
Nitration (PA)	%	77	63	58	82
Sulfation (PA)	%	56	51	47	61
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	3	4	8
Sodium	ppm	3	0	0	2
Potassium	ppm	<1	1	1	2

WEAR METALS

Iron	ppm	17	13	21	21
Copper	ppm	<1	1	2	10
Lead	ppm	<1	<1	<1	1
Tin	ppm	1	<1	<1	2
Aluminum	ppm	3	<1	0	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	56	60	58	62
Nickel	ppm	4	2	4	5
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	933	1039	1026	1162
Magnesium	ppm	855	890	895	863
Zinc	ppm	1129	1185	1209	1210
Phosphorus	ppm	969	1006	992	1021
Barium	ppm	<1	0	2	0
Boron	ppm	<1	0	0	6

Depot: AJMSTE
Unique No: 10847964
Signed: Wes Davis
Report Date: 26 Jan 2024



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GRAPHS

