



CONSTRUCTION EQUIPMENT

SPM579697 VOLVO A25G 352579 - DIESEL ENGINE



Sample No: VCP386788
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM579697



SAMPLE INFORMATION

Sample Number	VCP386788	VCP396742	VCP371619	VCP338632
Sample Date	10 Jul 2023	10 Apr 2023	30 Jun 2022	15 Dec 2021
Machine Hours	2460	1967	1071	558
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

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

OIL CONDITION

Visc @ 100°C	cSt	13.1	12.8	12.8	▲ 10.9
Base Number (BN)	mg KOH/g	8.6	7.1	9.0	9.3
Oxidation (PA)	%	55	53	69	87

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

Soot %	%	0.5	0.4	0.6	0.5
Nitration (PA)	%	63	58	82	67
Sulfation (PA)	%	51	47	61	67
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	0.2
Silicon	ppm	3	4	8	38
Sodium	ppm	0	0	2	2
Potassium	ppm	1	1	2	<1

WEAR METALS

Iron	ppm	13	21	21	41
Copper	ppm	1	2	10	42
Lead	ppm	<1	<1	1	5
Tin	ppm	<1	<1	2	7
Aluminum	ppm	<1	0	1	2
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	60	58	62	41
Nickel	ppm	2	4	5	5
Titanium	ppm	0	0	0	<1
Silver	ppm	<1	0	<1	0
Manganese	ppm	<1	<1	<1	3
Vanadium	ppm	0	0	0	<1

ADDITIVES

Calcium	ppm	1039	1026	1162	1574
Magnesium	ppm	890	895	863	473
Zinc	ppm	1185	1209	1210	1133
Phosphorus	ppm	1006	992	1021	1014
Barium	ppm	0	2	0	4
Boron	ppm	0	0	6	39

Depot: AJMSTE
Unique No: 10589095
Signed: Wes Davis
Report Date: 08 Aug 2023



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GRAPHS

