



CONSTRUCTION EQUIPMENT

SPM620695 VOLVO L150G 23527 - DIESEL ENGINE



Sample No: VCP425306
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM620695



SAMPLE INFORMATION

Sample Number	VCP425306	VCP410952	VCP365781	VCP366840
Sample Date	12 Oct 2023	03 May 2023	26 Oct 2022	02 Aug 2022
Machine Hours	23813	23336	22167	21794
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SIMS METAL MANAGEMENT
 2500 S. PAULINA
 CHICAGO, IL
 US 60608
 Contact: RYAN WISE
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 T:
 F:

OIL CONDITION

Visc @ 100°C	cSt	14.4	13.6	14.0	13.9
Base Number (BN)	mg KOH/g	8.9	8.5	10.4	10.3
Oxidation (PA)	%	55	53	60	60

CONTAMINATION

Soot %	%	0.3	0.3	0.2	0.3
Nitration (PA)	%	53	58	59	64
Sulfation (PA)	%	50	50	54	55
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	2	3	3
Sodium	ppm	4	1	2	3
Potassium	ppm	2	1	<1	<1

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.

WEAR METALS

Iron	ppm	4	4	3	4
Copper	ppm	2	1	1	1
Lead	ppm	0	0	<1	1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	5	<1	3	2
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	52	47	60	55
Nickel	ppm	<1	0	<1	0
Titanium	ppm	<1	<1	<1	3
Silver	ppm	0	0	<1	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	<1	0	<1	0

ADDITIVES

Calcium	ppm	927	1288	1055	1155
Magnesium	ppm	859	784	910	907
Zinc	ppm	1122	1210	1228	1203
Phosphorus	ppm	906	968	1004	1000
Barium	ppm	0	0	2	0
Boron	ppm	0	1	4	21

Depot: SIMCHIL
Unique No: 10712786
Signed: Wes Davis
Report Date: 27 Oct 2023



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GRAPHS

