



CONSTRUCTION EQUIPMENT

SPM580053 VOLVO L150H 6952 - DIESEL ENGINE



Sample No: VCP420671
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM580053



SAMPLE INFORMATION

Sample Number	VCP420671	VCP422176	VCP422617	VCP387452
Sample Date	19 Jul 2023	01 Jun 2023	24 Apr 2023	29 Dec 2022
Machine Hours	10311	10051	9518	9042
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
 ryan.wise@simsmm.com
 T:
 F:

OIL CONDITION

Visc @ 100°C	cSt	13.7	14.1	13.7	13.5
Base Number (BN)	mg KOH/g	9.0	8.9	8.6	9.5
Oxidation (PA)	%	59	61	55	58

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 %	%	0.1	0.2	0.1	0.2
Nitration (PA)	%	58	51	52	58
Sulfation (PA)	%	52	53	47	52
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	1	4	3	2
Sodium	ppm	0	1	0	<1
Potassium	ppm	2	2	2	<1

WEAR METALS

Iron	ppm	2	3	3	3
Copper	ppm	2	<1	<1	<1
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	0	2	<1	<1
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	63	59	59	58
Nickel	ppm	<1	1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1079	1022	1093	1065
Magnesium	ppm	936	958	1038	927
Zinc	ppm	1254	1299	1382	1234
Phosphorus	ppm	1048	1041	1070	983
Barium	ppm	2	0	0	0
Boron	ppm	0	0	0	0

Depot: SIMCHIL
Unique No: 10586141
Signed: Wes Davis
Report Date: 03 Aug 2023



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VOLVO GRAPHS

