



CONSTRUCTION EQUIPMENT

SPM595387 VOLVO L150H 6952 - DIESEL ENGINE



Sample No: VCP413049
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM595387



SAMPLE INFORMATION

Sample Number	VCP413049	VCP420671	VCP422176	VCP422617
Sample Date	25 Aug 2023	19 Jul 2023	01 Jun 2023	24 Apr 2023
Machine Hours	11277	10311	10051	9518
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	14.1	13.7	14.1	13.7
Base Number (BN)	mg KOH/g	9.3	9.0	8.9	8.6
Oxidation (PA)	%	56	59	61	55

CONTAMINATION

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

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	3	2	3	3
Copper	ppm	<1	2	<1	<1
Lead	ppm	0	<1	0	0
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	0	0	2	<1
Chromium	ppm	<1	0	<1	0
Molybdenum	ppm	54	63	59	59
Nickel	ppm	0	<1	1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	980	1079	1022	1093
Magnesium	ppm	949	936	958	1038
Zinc	ppm	1164	1254	1299	1382
Phosphorus	ppm	964	1048	1041	1070
Barium	ppm	2	2	0	0
Boron	ppm	0	0	0	0

Depot: SIMCHIL
Unique No: 10633971
Signed: Wes Davis
Report Date: 07 Sep 2023



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GRAPHS

