



CONSTRUCTION EQUIPMENT

SW1023307 ISS 8 VOLVO L90H 625 150 - DIESEL ENGINE



Sample No: VCP413312
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SW1023307 ISS 8



SAMPLE INFORMATION

Sample Number	VCP413312	VCP369014	VCP369690	VCP337844
Sample Date	25 Aug 2023	02 May 2023	02 Nov 2022	13 Jul 2022
Machine Hours	7315	6748	0	5047
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	13.5	14.1	13.7	13.7
Base Number (BN)	mg KOH/g	9.1	6.8	9	9.5
Oxidation (PA)	%	77	80	78	81



CONTAMINATION

Soot %	%	0.7	0.7	0.5	0.4
Nitration (PA)	%	83	84	90	81
Sulfation (PA)	%	60	59	60	60
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	6	4	4
Sodium	ppm	1	0	2	1
Potassium	ppm	0	1	2	0



WEAR METALS

Iron	ppm	13	15	12	12
Copper	ppm	2	1	<1	<1
Lead	ppm	0	0	<1	1
Tin	ppm	0	0	<1	1
Aluminum	ppm	<1	1	2	2
Chromium	ppm	<1	1	<1	<1
Molybdenum	ppm	58	60	59	47
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1281	1279	1104	1390
Magnesium	ppm	868	976	891	698
Zinc	ppm	1304	1357	1219	1135
Phosphorus	ppm	1053	1051	982	914
Barium	ppm	0	0	0	0
Boron	ppm	<1	12	4	16

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.

Depot: VOLVO6174
Unique No: 10630626
Signed: Wes Davis
Report Date: 05 Sep 2023



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VOLVO GRAPHS

