



CONSTRUCTION EQUIPMENT

VOLVO L150 60742 - DIESEL ENGINE



Sample No: VCP342850
Oil Type: MOBIL 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP342850	VCP362758	VCP385209	VCP390576
Sample Date	13 Jun 2023	02 May 2023	20 Feb 2023	06 Dec 2022
Machine Hours	34189	33992	33744	33430
Oil Hours	197	248	314	221
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.5	12.5	12.7	13.4
Base Number (BN)	mg KOH/g	10.3	10.4	9.7	9.3
Oxidation (PA)	%	80	78	62	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 %	%	0.5	0.3	0.4	0.7
Nitration (PA)	%	53	54	65	82
Sulfation (PA)	%	62	61	57	61
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	5	4	5
Sodium	ppm	3	3	3	2
Potassium	ppm	2	4	4	5



WEAR METALS

Iron	ppm	8	6	9	13
Copper	ppm	2	<1	2	2
Lead	ppm	<1	2	<1	2
Tin	ppm	<1	1	<1	1
Aluminum	ppm	1	2	3	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	41	38	18	4
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	<1	<1	0



ADDITIVES

Calcium	ppm	1917	1827	1571	1414
Magnesium	ppm	527	529	583	695
Zinc	ppm	1011	964	880	864
Phosphorus	ppm	822	758	726	731
Barium	ppm	0	0	0	0
Boron	ppm	62	67	68	70

Depot: SCHGRE
Unique No: 10545754
Signed: Wes Davis
Report Date: 05 Jul 2023



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GRAPHS

