



CONSTRUCTION EQUIPMENT

SPM568158 WM CR LAKE VOLVO L150H 7152 - DIESEL ENGINE



Sample No: VCP409351
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM568158 WM CR LAKE



SAMPLE INFORMATION

Sample Number	VCP409351	VCP416576	VCP404605	VCP383351
Sample Date	05 Jul 2023	25 May 2023	24 Apr 2023	06 Mar 2023
Machine Hours	1396	1087	867	487
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 100°C	cSt	13.7	13.6	14.0	▲ 10.7
Base Number (BN)	mg KOH/g	9.7	8.0	7.7	5.8
Oxidation (PA)	%	57	59	53	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 %	%	0.2	0.3	0.2	0.2
Nitration (PA)	%	54	62	50	81
Sulfation (PA)	%	53	55	47	55
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	0.4
Silicon	ppm	5	8	8	24
Sodium	ppm	<1	1	<1	4
Potassium	ppm	<1	0	1	3



WEAR METALS

Iron	ppm	5	9	6	14
Copper	ppm	6	39	38	▲ 253
Lead	ppm	<1	0	0	4
Tin	ppm	<1	<1	0	2
Aluminum	ppm	<1	<1	<1	1
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	59	63	62	83
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	3
Vanadium	ppm	0	<1	0	<1



ADDITIVES

Calcium	ppm	1092	1200	1210	2144
Magnesium	ppm	1013	903	927	15
Zinc	ppm	1350	1235	1343	1180
Phosphorus	ppm	1084	999	1043	937
Barium	ppm	0	0	0	0
Boron	ppm	2	2	4	48

Depot: VOLVO8885
Unique No: 10560509
Signed: Wes Davis
Report Date: 17 Jul 2023



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VOLVO GRAPHS

