



CONSTRUCTION EQUIPMENT

SPM595749 WM CRYSTAL VOLVO L150H 7152 - DIESEL ENGINE



Sample No: VCP425436
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM595749 WM CRYSTAL



SAMPLE INFORMATION

Sample Number	VCP425436	VCP420187	VCP409351	VCP416576
Sample Date	12 Sep 2023	26 Jul 2023	05 Jul 2023	25 May 2023
Machine Hours	1861	1575	1396	1087
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	14.3	13.6	13.7	13.6
Base Number (BN)	mg KOH/g	9.2	8.7	9.7	8.0
Oxidation (PA)	%	53	55	57	59

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	0.2	0.2	0.3
Nitration (PA)	%	45	54	54	62
Sulfation (PA)	%	49	50	53	55
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	6	5	8
Sodium	ppm	2	1	<1	1
Potassium	ppm	2	2	<1	0



WEAR METALS

Iron	ppm	4	5	5	9
Copper	ppm	<1	5	6	39
Lead	ppm	0	<1	<1	0
Tin	ppm	<1	1	<1	<1
Aluminum	ppm	0	2	<1	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	58	60	59	63
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	1047	1060	1092	1200
Magnesium	ppm	971	978	1013	903
Zinc	ppm	1262	1314	1350	1235
Phosphorus	ppm	1049	1074	1084	999
Barium	ppm	0	0	0	0
Boron	ppm	<1	1	2	2

Depot: VOLVO8885
Unique No: 10658048
Signed: Wes Davis
Report Date: 21 Sep 2023

VOLVO **GRAPHS**

