



CONSTRUCTION EQUIPMENT

SPM686530 GA PAC VOLVO L150H 7091 - DIESEL ENGINE



Sample No: VCP443590
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM686530 GA PAC



SAMPLE INFORMATION

Sample Number	VCP443590	VCP413951	VCP404322	VCP407387
Sample Date	15 Mar 2024	10 Nov 2023	26 Apr 2023	01 Apr 2023
Machine Hours	5645	4509	2615	2147
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	13.2	13.1	14.3	13.3
Base Number (BN)	mg KOH/g	9.3	8.9	8.5	8.3
Oxidation (PA)	%	59	53	52	63

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

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.1	0.2
Nitration (PA)	%	58	47	45	65
Sulfation (PA)	%	51	49	46	53
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	8	2	3	5
Sodium	ppm	0	0	0	<1
Potassium	ppm	4	2	<1	0



WEAR METALS

Iron	ppm	5	2	3	7
Copper	ppm	2	2	3	10
Lead	ppm	3	0	0	<1
Tin	ppm	2	0	0	<1
Aluminum	ppm	4	2	<1	<1
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	63	53	59	57
Nickel	ppm	1	<1	0	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	1146	923	1079	1043
Magnesium	ppm	974	803	1048	886
Zinc	ppm	1242	1058	1366	1182
Phosphorus	ppm	1124	885	1077	949
Barium	ppm	<1	0	0	0
Boron	ppm	1	0	0	0

Depot: VOLVO8885
Unique No: 10941005
Signed: Wes Davis
Report Date: 26 Mar 2024

VOLVO **GRAPHS**

