



CONSTRUCTION EQUIPMENT

SPM595392 WM VOLVO L90H 624824 - DIESEL ENGINE



Sample No: VCP420694

Oil Type: DIESEL ENGINE OIL SAE 15W40

Job No: SPM595392 WM



SAMPLE INFORMATION

Sample Number	VCP420694	VCP399657	VCP399977	VCP404247
Sample Date	12 Sep 2023	08 Aug 2023	07 Jun 2023	18 May 2023
Machine Hours	9830	9584	9431	9211
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



ALTA EQUIPMENT CO - ORLAND PARK
 5000 INDUSTRIAL HWY
 GARY, IN
 US 46406
 Contact: DAVE ENG
 DAVE.ENG@ALTG.COM
 T: (312)350-2560
 F:



OIL CONDITION

Visc @ 100°C	cSt	15.2	15.0	14.8	14.9
Base Number (BN)	mg KOH/g	9.0	9.4	8.5	9.2
Oxidation (PA)	%	58	55	69	59



CONTAMINATION

Soot %	%	0.4	0.2	0.3	0.2
Nitration (PA)	%	58	46	55	52
Sulfation (PA)	%	53	50	57	53
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	19	8	12	9
Sodium	ppm	3	1	2	<1
Potassium	ppm	2	<1	2	1



WEAR METALS

Iron	ppm	8	4	8	6
Copper	ppm	<1	<1	0	<1
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	4	2	4	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	61	59	59	62
Nickel	ppm	<1	0	<1	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	<1	<1	0



ADDITIVES

Calcium	ppm	1081	1040	1056	1079
Magnesium	ppm	1012	999	957	934
Zinc	ppm	1304	1224	1318	1257
Phosphorus	ppm	1076	1014	1041	1031
Barium	ppm	0	0	0	0
Boron	ppm	<1	0	2	<1

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: VOLVO8885
Unique No: 10658037
Signed: Wes Davis
Report Date: 21 Sep 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

