



CONSTRUCTION EQUIPMENT

A11246 VOLVO EC220D 210876 - DIESEL ENGINE



Sample No: VCP430666
Oil Type: MOBIL 15W40
Job No: A11246



SAMPLE INFORMATION

Sample Number	VCP430666	VCP416832	VCP393916	VCP390855
Sample Date	16 Oct 2023	19 Jun 2023	15 Mar 2023	20 Sep 2022
Machine Hours	13460	12979	12480	11505
Oil Hours	500	0	500	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

WASTE MANAGEMENT - TELFORD

400 PROGRESS DR
 TELFORD, PA
 US 18969-1191
 Contact: EDWARD ROGENER
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T:
 F:



OIL CONDITION

Visc @ 100°C	cSt	13.1	13.5	13.5	13.0
Base Number (BN)	mg KOH/g	10.2	7.1	7.8	11.4
Oxidation (PA)	%	81	45	49	87

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	0.2
Nitration (PA)	%	55	60	59	63
Sulfation (PA)	%	61	50	50	65
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	17	11	10	18
Sodium	ppm	3	0	1	2
Potassium	ppm	0	2	2	0



WEAR METALS

Iron	ppm	6	4	5	5
Copper	ppm	0	<1	<1	<1
Lead	ppm	0	<1	0	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	2	1	2	2
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	37	16	31	47
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1704	2180	1836	1749
Magnesium	ppm	508	170	420	529
Zinc	ppm	1179	1093	1165	1144
Phosphorus	ppm	841	925	990	944
Barium	ppm	0	0	2	0
Boron	ppm	33	3	6	33

Depot: WASTEL
Unique No: 10711615
Signed: Wes Davis
Report Date: 26 Oct 2023



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VOLVO GRAPHS

