



CONSTRUCTION EQUIPMENT

X27601 VOLVO EC220DL 210834 - DIESEL ENGINE



Sample No: VCP379753

Oil Type: NOT GIVEN

Job No: X27601



SAMPLE INFORMATION

Sample Number	VCP379753	VCP189893	VCP198528	VCP198872
Sample Date	01 Nov 2023	25 Aug 2017	13 Jan 2017	30 Nov 2016
Machine Hours	14188	4700	3630	3320
Oil Hours	623	250	0	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



SCOTT EQUIPMENT COMPANY LLC - Shreveport
 945 NORTH MARKET STREET
 SHREVEPORT, LA
 US 71107-6744
 Contact: KENNY COLEMAN
 kcoleman@scottcompanies.com
 T: (318)226-9696
 F: (318)698-2295



OIL CONDITION

Visc @ 100°C	cSt	12.8	13.63	13.3	13.01
Base Number (BN)	mg KOH/g	6.0	---	---	---
Oxidation (PA)	%	35	56	52	44



CONTAMINATION

Soot %	%	0.1	0.1	0	0
Nitration (PA)	%	47	75	67	58
Sulfation (PA)	%	42	50	47	44
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	1.6	<1.0	<1.0	<1.0
Silicon	ppm	3	4	5	5
Sodium	ppm	3	1	1	1
Potassium	ppm	2	2	2	<1



WEAR METALS

Iron	ppm	5	4	5	6
Copper	ppm	11	<1	<1	<1
Lead	ppm	2	1	1	0
Tin	ppm	0	<1	<1	0
Aluminum	ppm	1	3	2	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	4	2	<1	1
Nickel	ppm	0	0	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	1840	2136	2351	2161
Magnesium	ppm	31	6	12	8
Zinc	ppm	993	1098	974	916
Phosphorus	ppm	759	1124	911	836
Barium	ppm	0	0	0	0
Boron	ppm	2	44	2	2

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. 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: VOLVO2603
Unique No: 10726077
Signed: Doug Bogart
Report Date: 07 Nov 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

