



CONSTRUCTION EQUIPMENT

9356 VOLVO L220H 2855 - DIESEL ENGINE



Sample No: VCP423116
Oil Type: CHEVRON 15W40
Job No: 9356



SAMPLE INFORMATION

Sample Number	VCP423116	VCP405019	VCP355097	VCP338155
Sample Date	26 Jul 2023	05 Apr 2023	20 Jul 2022	15 Dec 2021
Machine Hours	14058	13486	11991	10295
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL

WHEELABRATOR
 1801 ANNAPOLIS RD
 BALTIMORE, MD
 US 21230
 Contact: SERVICE MANAGER

OIL CONDITION

Visc @ 100°C	cSt	13.2	12.8	12.8	12.9
Base Number (BN)	mg KOH/g	6.7	4.0	5.8	5.6
Oxidation (PA)	%	65	80	91	86

T: (215)428-7902
 F:

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 %	%	0.1	0.2	0.3	0.2
Nitration (PA)	%	62	73	91	84
Sulfation (PA)	%	61	65	73	70
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	14	4	▲ 66	▲ 33
Sodium	ppm	0	2	<1	2
Potassium	ppm	2	9	1	<1

WEAR METALS

Iron	ppm	4	14	14	10
Copper	ppm	1	<1	2	2
Lead	ppm	<1	1	3	3
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	<1	5	4	2
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	104	69	121	121
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1548	1189	1464	1634
Magnesium	ppm	431	921	591	649
Zinc	ppm	1295	1254	785	801
Phosphorus	ppm	1108	999	610	682
Barium	ppm	2	0	2	0
Boron	ppm	347	18	85	79

Depot: WHEBAL
Unique No: 10586151
Signed: Wes Davis
Report Date: 03 Aug 2023



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VOLVO GRAPHS

