



CONSTRUCTION EQUIPMENT

10050 VOLVO L220H 2855 - DIESEL ENGINE



Sample No: VCP409442
Oil Type: CHEVRON 15W40
Job No: 10050



SAMPLE INFORMATION

Sample Number	VCP409442	VCP426365	VCP417951	VCP413781
Sample Date	15 Dec 2023	03 Nov 2023	06 Oct 2023	01 Sep 2023
Machine Hours	15891	15491	15141	14577
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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

OIL CONDITION

Visc @ 100°C	cSt	13.0	13.3	13.3	13.2
Base Number (BN)	mg KOH/g	7.2	7.4	6.6	6.6
Oxidation (PA)	%	60	61	59	60

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

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	55	50	53	54
Sulfation (PA)	%	58	58	58	58
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	11	9	14	16
Sodium	ppm	<1	1	1	1
Potassium	ppm	0	2	<1	0

WEAR METALS

Iron	ppm	1	1	<1	2
Copper	ppm	0	<1	<1	<1
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	<1	<1
Aluminum	ppm	1	3	2	2
Chromium	ppm	0	0	0	0
Molybdenum	ppm	73	78	82	86
Nickel	ppm	0	0	0	0
Titanium	ppm	1	2	1	1
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	0
Vanadium	ppm	0	0	0	<1

ADDITIVES

Calcium	ppm	1336	1388	1303	1491
Magnesium	ppm	364	407	392	405
Zinc	ppm	1143	1126	1223	1268
Phosphorus	ppm	888	1038	1013	1031
Barium	ppm	0	0	0	0
Boron	ppm	343	438	304	350

Depot: WHEBAL
Unique No: 10805137
Signed: Wes Davis
Report Date: 27 Dec 2023



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VOLVO GRAPHS

