



CONSTRUCTION EQUIPMENT

X58262 VOLVO L110H 632135 - DIESEL ENGINE



Sample No: VCP413493
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: X58262



SAMPLE INFORMATION

Sample Number	VCP413493	VCP384456	VCP348985	---
Sample Date	18 Jul 2023	01 Feb 2023	10 Feb 2022	---
Machine Hours	3446	2899	1112	---
Oil Hours	0	0	0	---
Oil Changed	Changed	N/A	Changed	---
Sample Status	ABNORMAL	ABNORMAL	NORMAL	---

SCOTT EQUIPMENT COMPANY LLC - Saint Rose
 PO BOX 997
 SAINT ROSE, LA
 US 70087
 Contact: DENISE CORVERS
 dcorvers@scottcompanies.com
 T: (504)461-0961
 F: (504)461-0970

OIL CONDITION

Visc @ 100°C	cSt	13.6	14.4	13.1	---
Base Number (BN)	mg KOH/g	8.9	7.1	10.8	---
Oxidation (PA)	%	84	85	86	---

CONTAMINATION

Soot %	%	0.5	0.6	0.4	---
Nitration (PA)	%	68	77	64	---
Sulfation (PA)	%	63	63	66	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	7	8	7	---
Sodium	ppm	4	3	3	---
Potassium	ppm	0	3	2	---

Diagnosis

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The aluminum level is abnormal. All other 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.

WEAR METALS

Iron	ppm	29	40	28	---
Copper	ppm	4	10	4	---
Lead	ppm	<1	2	2	---
Tin	ppm	<1	2	2	---
Aluminum	ppm	▲ 31	▲ 55	65	---
Chromium	ppm	2	3	4	---
Molybdenum	ppm	39	23	37	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	<1	<1	1	---
Vanadium	ppm	<1	0	0	---

ADDITIVES

Calcium	ppm	1972	2002	1759	---
Magnesium	ppm	496	302	582	---
Zinc	ppm	1230	1167	1133	---
Phosphorus	ppm	1004	930	974	---
Barium	ppm	0	0	0	---
Boron	ppm	42	57	37	---

Depot: SCOSAI
Unique No: 10565413
Signed: Don Baldrige
Report Date: 25 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

