



CONSTRUCTION EQUIPMENT

A12526 VOLVO L70H 624758 - DIESEL ENGINE



Sample No: VCP438185
Oil Type: MOBIL 15W40
Job No: A12526



SAMPLE INFORMATION

Sample Number	VCP438185	VCP440555	VCP411915	---
Sample Date	29 Apr 2024	14 Sep 2023	17 Jul 2023	---
Machine Hours	1055	624	306	---
Oil Hours	250	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

JAMES J ANDERSON
 6958 TORRESDALE AVENUE
 PHILADELPHIA, PA
 US 19135
 Contact: JOHN HERBUT
 herb@jjaconstruction.com
 T: (215)850-9051
 F: (215)427-0208

OIL CONDITION

Visc @ 100°C	cSt	12.9	12.8	12.5	---
Base Number (BN)	mg KOH/g	10.5	10.7	10.1	---
Oxidation (PA)	%	82	81	72	---

CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.2	0.2	0.2	---
Nitration (PA)	%	58	53	53	---
Sulfation (PA)	%	61	61	58	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	8	9	17	---
Sodium	ppm	2	3	4	---
Potassium	ppm	2	<1	2	---

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.

WEAR METALS

Iron	ppm	15	17	34	---
Copper	ppm	1	<1	5	---
Lead	ppm	<1	0	<1	---
Tin	ppm	2	1	2	---
Aluminum	ppm	6	8	19	---
Chromium	ppm	1	2	4	---
Molybdenum	ppm	40	42	36	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	1	<1	4	---
Silver	ppm	<1	0	0	---
Manganese	ppm	1	1	3	---
Vanadium	ppm	<1	0	<1	---

ADDITIVES

Calcium	ppm	1677	1844	1645	---
Magnesium	ppm	482	584	592	---
Zinc	ppm	1140	1230	1135	---
Phosphorus	ppm	996	1030	953	---
Barium	ppm	0	0	0	---
Boron	ppm	38	44	54	---

Depot: JAAPHI
Unique No: 11032257
Signed: Wes Davis
Report Date: 16 May 2024



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GRAPHS

