



CONSTRUCTION EQUIPMENT

SW1026124 EWING IRRI VOLVO L50H 4322067 - DIESEL ENGINE



Sample No: VCP441021
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SW1026124 EWING IRRI



SAMPLE INFORMATION

Sample Number	VCP441021	VCP406956	VCP403606	---
Sample Date	03 Nov 2023	30 Jun 2023	28 Mar 2023	---
Machine Hours	6741	6239	5554	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	12.8	13.3	14.1	---
Base Number (BN)	mg KOH/g	9.6	8.2	7.0	---
Oxidation (PA)	%	77	71	58	---

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 %	%	0.3	0.6	0.7	---
Nitration (PA)	%	65	74	83	---
Sulfation (PA)	%	58	57	55	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	6	5	6	---
Sodium	ppm	2	2	2	---
Potassium	ppm	<1	0	<1	---



WEAR METALS

Iron	ppm	6	15	16	---
Copper	ppm	4	4	5	---
Lead	ppm	0	0	0	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	2	2	4	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	47	63	91	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1726	1440	2355	---
Magnesium	ppm	436	679	43	---
Zinc	ppm	1208	1235	1325	---
Phosphorus	ppm	961	1011	1108	---
Barium	ppm	0	0	0	---
Boron	ppm	40	19	54	---

Depot: VOLVO6174
Unique No: 10736451
Signed: Wes Davis
Report Date: 10 Nov 2023



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GRAPHS

