



CONSTRUCTION EQUIPMENT

HERC VOLVO L110H 632557 - DIESEL ENGINE



Sample No: VCP432040
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: HERC



SAMPLE INFORMATION

Sample Number	VCP432040	VCP428845	---	---
Sample Date	28 Dec 2023	06 Dec 2023	---	---
Machine Hours	1206	1101	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	█ 12.8	---	---
Base Number (BN)	mg KOH/g	█ 10.0	█ 8.2	---	---
Oxidation (PA)	%	69	62	---	---

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	---	---
Soot %	%	█ 0.1	█ 0.2	---	---
Nitration (PA)	%	43	58	---	---
Sulfation (PA)	%	57	57	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 6	---	---
Sodium	ppm	█ 1	█ 1	---	---
Potassium	ppm	█ <1	█ 1	---	---



WEAR METALS

Iron	ppm	█ 1	█ 11	---	---
Copper	ppm	█ 1	█ 6	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ 0	█ 1	---	---
Aluminum	ppm	█ 2	▲ 11	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 43	█ 72	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 0	█ 0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 1500	█ 1349	---	---
Magnesium	ppm	█ 513	█ 448	---	---
Zinc	ppm	█ 1140	█ 1222	---	---
Phosphorus	ppm	█ 879	█ 924	---	---
Barium	ppm	█ 0	█ <1	---	---
Boron	ppm	█ 86	█ 281	---	---

Depot: VOLVO0093
Unique No: 10823692
Signed: Wes Davis
Report Date: 12 Jan 2024



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GRAPHS

