



CONSTRUCTION EQUIPMENT

HERC VOLVO L110H 632016 - DIESEL ENGINE



Sample No: VCP429577
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: HERC



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
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SAMPLE INFORMATION

Sample Number	VCP429577	VCP385128	---	---
Sample Date	16 Dec 2023	09 Nov 2022	---	---
Machine Hours	2024	1380	---	---
Oil Hours	0	500	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	█ 13.3	---	---
Base Number (BN)	mg KOH/g	█ 7.6	█ 9.7	---	---
Oxidation (PA)	%	56	57	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	53	43	---	---
Sulfation (PA)	%	56	58	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 3	█ 5	---	---
Sodium	ppm	█ <1	█ 2	---	---
Potassium	ppm	█ <1	█ 1	---	---



WEAR METALS

Iron	ppm	█ 3	█ 2	---	---
Copper	ppm	█ 1	█ <1	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 7	█ 2	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 86	█ 98	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 1333	█ 1392	---	---
Magnesium	ppm	█ 394	█ 419	---	---
Zinc	ppm	█ 1229	█ 1108	---	---
Phosphorus	ppm	█ 928	█ 944	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	323	█ 386	---	---

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.

Depot: VOLVO0093
Unique No: 10823693
Signed: Wes Davis
Report Date: 12 Jan 2024



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GRAPHS

