



CONSTRUCTION EQUIPMENT

HERC VOLVO L110H 632016 - TRANSMISSION (AUTO)



Sample No: VCP429575
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: HERC



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
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SAMPLE INFORMATION

Sample Number	VCP429575	VCP385151	---	---
Sample Date	12 Dec 2023	09 Nov 2022	---	---
Machine Hours	2624	1380	---	---
Oil Hours	0	1380	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	ATTENTION	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	▲ 27.7	■ 27.8	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	■ 11	■ 6	---	---
Sodium	ppm	■ 5	■ 4	---	---
Potassium	ppm	■ <1	■ 0	---	---



WEAR METALS

Iron	ppm	■ 65	■ 103	---	---
Copper	ppm	■ 10	■ 12	---	---
Lead	ppm	■ 0	■ 0	---	---
Tin	ppm	■ 0	■ 0	---	---
Aluminum	ppm	■ 4	■ 3	---	---
Chromium	ppm	■ <1	■ <1	---	---
Molybdenum	ppm	■ 0	■ <1	---	---
Nickel	ppm	■ 0	■ <1	---	---
Titanium	ppm	■ 0	0	---	---
Silver	ppm	■ 0	■ 0	---	---
Manganese	ppm	■ 6	■ 8	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	▲ 73	■ 79	---	---
Magnesium	ppm	▲ 1	■ 2	---	---
Zinc	ppm	▲ 9	■ 22	---	---
Phosphorus	ppm	▲ 181	■ 164	---	---
Barium	ppm	■ 1	■ 0	---	---
Boron	ppm	■ 59	■ 63	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The fluid viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Depot: VOLVO0093
Unique No: 10829911
Signed: Don Baldrige
Report Date: 14 Jan 2024



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GRAPHS

