



CONSTRUCTION EQUIPMENT

S50401339 HERC VOLVO L110H 31931 - FRONT AXLE



Sample No: VCP405424
Oil Type: NOT GIVEN
Job No: S50401339 HERC



SAMPLE INFORMATION

Sample Number	VCP405424	---	---	---
Sample Date	28 Aug 2023	---	---	---
Machine Hours	2681	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

VCES- VOLVO CONSTRUCTION EQUIPMENT
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OIL CONDITION

Visc @ 40°C	cSt	█ 186	---	---	---
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CONTAMINATION

Water	%	● 13.1	---	---	---
Silicon	ppm	● 3731	---	---	---
Sodium	ppm	█ 1176	---	---	---
Potassium	ppm	█ 573	---	---	---



WEAR METALS

Iron	ppm	● 3926	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ 5	---	---	---
Aluminum	ppm	▲ 823	---	---	---
Chromium	ppm	▲ 37	---	---	---
Molybdenum	ppm	15	---	---	---
Nickel	ppm	● 22	---	---	---
Titanium	ppm	█ 51	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	60	---	---	---
Vanadium	ppm	3	---	---	---



ADDITIVES

Calcium	ppm	4131	---	---	---
Magnesium	ppm	1005	---	---	---
Zinc	ppm	1559	---	---	---
Phosphorus	ppm	1247	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	1004	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO4486
Unique No: 10629957
Signed: Don Baldrige
Report Date: 01 Sep 2023



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GRAPHS

