



CONSTRUCTION EQUIPMENT

34236 BIG SKY DAIRY VOLVO L70H 625117 - REAR AXLE



Sample No: VCP453982
Oil Type: MOBIL MOBILFLUID 424
Job No: 34236 BIG SKY DAIRY



SAMPLE INFORMATION

Sample Number	VCP453982	---	---	---
Sample Date	06 May 2024	---	---	---
Machine Hours	2861	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	■ 51.9	---	---	---
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CONTAMINATION

Water	%	■ NEG	---	---	---
Silicon	ppm	▲ 190	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 5	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.



WEAR METALS

Iron	ppm	■ 189	---	---	---
Copper	ppm	■ 58	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 4	---	---	---
Aluminum	ppm	● 34	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	■ 2	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	3	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ 3	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 3488	---	---	---
Magnesium	ppm	■ 22	---	---	---
Zinc	ppm	■ 1429	---	---	---
Phosphorus	ppm	■ 1297	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 130	---	---	---

Depot: VOLVO1835
Unique No: 11033046
Signed: Sean Felton
Report Date: 20 May 2024



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GRAPHS

