



CONSTRUCTION EQUIPMENT

374949 VOLVO L60F 61944 - FRONT AXLE



Sample No: VCP391559
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No: 374949



SAMPLE INFORMATION

Sample Number	VCP391559	VCE241547	VCE038162	---
Sample Date	13 Sep 2023	25 Apr 2016	16 Dec 2009	---
Machine Hours	7872	3658	146	---
Oil Hours	4000	0	146	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	SEVERE	NORMAL	NORMAL	---

STRONGCO EQUIP (AB)
 6 - 38403 BURNT LAKE TRAIL
 RED DEER COUNTY, AB
 CA T4S 2L4
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OIL CONDITION

Visc @ 40°C	cSt	52.8	46.9	52.8	---
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CONTAMINATION

Water	%	2.011	---	---	---
Silicon	ppm	274	16	15	---
Sodium	ppm	17	4	1	---
Potassium	ppm	8	<1	2	---



WEAR METALS

PQ		206	---	---	---
Iron	ppm	876	74	99	---
Copper	ppm	4	<1	1	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	32	1	2	---
Chromium	ppm	9	1	3	---
Molybdenum	ppm	<1	1	5	---
Nickel	ppm	3	<1	<1	---
Titanium	ppm	2	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	9	2	7	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	3569	3797	3432	---
Magnesium	ppm	24	10	11	---
Zinc	ppm	1528	1501	1461	---
Phosphorus	ppm	1265	1232	1149	---
Barium	ppm	1	<1	<1	---
Boron	ppm	104	107	103	---

Diagnosis

We advise that you check for the source of water entry. We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Aluminum and iron ppm levels are abnormal. Bearing and/or bushing wear is indicated. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is a high concentration of water present in the oil. High concentration of dirt present in the oil. High amount of ingressed dirt has caused abrasive wear to the component. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VOLVO9652
Unique No: 5644006
Signed: Bill Quesnel
Report Date: 18 Sep 2023



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GRAPHS

