



CONSTRUCTION EQUIPMENT

729514 BULK EXPRESS VOLVO L150H 6770 - FRONT AXLE



Sample No: VCP454584
Oil Type: VOLVO WB 102
Job No: 729514 BULK EXPRESS



SAMPLE INFORMATION

Sample Number	VCP454584	VCP455149	VCP437676	VCP425720
Sample Date	12 Jun 2024	21 Mar 2024	03 Jan 2024	04 May 2023
Machine Hours	12371	11881	11384	10350
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	48.3	46.6	49.2	43.7
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	15	20	24	26
Sodium	ppm	3	5	0	5
Potassium	ppm	<1	0	2	1



WEAR METALS

Iron	ppm	381	916	890	703
Copper	ppm	2	4	5	3
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	3	2	2
Chromium	ppm	3	8	8	6
Molybdenum	ppm	6	3	3	2
Nickel	ppm	1	5	5	4
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	4	9	9	8
Vanadium	ppm	<1	0	0	<1



ADDITIVES

Calcium	ppm	3054	2490	2722	3489
Magnesium	ppm	78	17	22	29
Zinc	ppm	1291	1005	1142	1422
Phosphorus	ppm	1068	800	936	1197
Barium	ppm	0	0	7	0
Boron	ppm	95	69	76	94

Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of metal. Resample at the next service interval to monitor. High concentration of visible metal present. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0096
Unique No: 11088932
Signed: Don Baldrige
Report Date: 23 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS

