



CONSTRUCTION EQUIPMENT

19121 KOPPERS VOLVO L120H 632722 - REAR AXLE



Sample No: VCP417425
Oil Type: TDTO FLUID SAE 10W
Job No: 19121 KOPPERS



SAMPLE INFORMATION

Sample Number	VCP417425	VCP426555	VCP398714	VCP359122
Sample Date	30 Jun 2023	13 Apr 2023	26 Jan 2023	08 Jul 2022
Machine Hours	5097	4605	4116	2868
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	ABNORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	48.9	48.8	46.3	42.4
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CONTAMINATION

Silicon	ppm	7	8	9	17
Sodium	ppm	2	3	2	7
Potassium	ppm	2	0	2	0

Diagnosis

Resample at the next service interval to monitor. 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.



WEAR METALS

Iron	ppm	60	49	77	52
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	<1	1	<1	2
Chromium	ppm	1	1	1	1
Molybdenum	ppm	4	4	1	1
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	1	2	1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2636	2796	2397	4362
Magnesium	ppm	56	57	13	21
Zinc	ppm	1268	1231	1114	1725
Phosphorus	ppm	1016	1031	927	1396
Barium	ppm	0	0	0	0
Boron	ppm	44	46	83	138

Depot: VOLVO8769
Unique No: 10552873
Signed: Don Baldrige
Report Date: 14 Jul 2023



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GRAPHS

