



CONSTRUCTION EQUIPMENT

4019HO VOLVO L180G 5380 - FRONT AXLE



Sample No: VCP408016
Oil Type: VOLVO WB 102
Job No: 4019HO



SAMPLE INFORMATION

Sample Number	VCP408016	VCP298544	VCP293685	VCP296538
Sample Date	13 Jul 2023	22 Mar 2021	16 Dec 2020	16 Dec 2020
Machine Hours	3914	1994	1546	1481
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

LCSWMA - LANCASTER COUNTY SOLID WASTE
 1299 HARRISBURG PIKE
 LANCASTER, PA
 US 17604
 Contact: ROGER RUSSIN
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 T: (717)735-0166
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OIL CONDITION

Visc @ 40°C	cSt	40.1	41.4	39.1	40.4
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CONTAMINATION

Silicon	ppm	15	12	10	11
Sodium	ppm	6	6	11	9
Potassium	ppm	0	0	0	0



WEAR METALS

Iron	ppm	73	40	49	35
Copper	ppm	3	<1	6	<1
Lead	ppm	<1	<1	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	1	1	1
Chromium	ppm	4	2	2	2
Molybdenum	ppm	1	2	3	3
Nickel	ppm	<1	<1	0	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	2	3	4	3
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	▲ 2102	3212	3865	3976
Magnesium	ppm	12	7	10	15
Zinc	ppm	▲ 991	1323	1573	1591
Phosphorus	ppm	▲ 813	1137	1294	1277
Barium	ppm	0	0	0	0
Boron	ppm	76	93	122	125

Diagnosis

We advise you check for source of contamination. All component wear rates are normal. No other contaminants were detected in the oil. The additive levels indicate the mixing of two different brands, or types of oil.

Depot: LANLANPA
Unique No: 10564883
Signed: Don Baldrige
Report Date: 24 Jul 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

