



CONSTRUCTION EQUIPMENT

SPM578836 VOLVO L180G 19305 - FRONT AXLE



Sample No: VCP405774
Oil Type: VOLVO WB 102
Job No: SPM578836



SAMPLE INFORMATION

Sample Number	VCP405774	VCP404609	VCP401387	VCP284662
Sample Date	08 Aug 2023	03 May 2023	18 Mar 2023	02 Jul 2020
Machine Hours	21063	20781	20570	18967
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	N/A
Sample Status	ABNORMAL	NORMAL	ABNORMAL	ABNORMAL

COVANTA ONONDAGA LP

5801 ROCK CUT RD
JAMESVILLE, NY
US 13078

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OIL CONDITION

Visc @ 40°C	cSt	43.0	43.0	43.2	40.2
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CONTAMINATION

Silicon	ppm	▲ 97	22	21	12
Sodium	ppm	13	5	4	3
Potassium	ppm	7	0	0	3



WEAR METALS

Iron	ppm	157	38	34	15
Copper	ppm	<1	2	<1	<1
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	▲ 13	<1	2	<1
Chromium	ppm	2	<1	<1	<1
Molybdenum	ppm	4	3	3	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	2	1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	4163	3928	3892	4193
Magnesium	ppm	34	27	23	12
Zinc	ppm	1618	1600	1486	1551
Phosphorus	ppm	1320	1262	1170	1332
Barium	ppm	0	<1	2	0
Boron	ppm	177	126	126	120

Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot: COVJAM
Unique No: 10602879
Signed: Sean Felton
Report Date: 14 Aug 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

