



CONSTRUCTION EQUIPMENT

3751HR VOLVO L220H 2578 - REAR AXLE



Sample No: VCP408021
Oil Type: SUNOCO TH FLUID
Job No: 3751HR



SAMPLE INFORMATION

Sample Number	VCP408021	VCP435020	VCP435018	VCP247955
Sample Date	14 Sep 2023	28 Aug 2023	14 Aug 2023	29 May 2019
Machine Hours	16109	16006	15580	5574
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL

PENNSYLVANIA SUPPLY
 833 PAXTON STREET
 HARRISBURG, PA
 US 17104
 Contact: KEVIN TAYLOR
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OIL CONDITION

Visc @ 40°C	cSt	53.0	44.2	42.3	40.3
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CONTAMINATION

Silicon	ppm	14	10	12	8
Sodium	ppm	1	<1	5	8
Potassium	ppm	<1	1	1	2



WEAR METALS

Iron	ppm	4	10	13	17
Copper	ppm	<1	2	<1	1
Lead	ppm	<1	0	<1	0
Tin	ppm	<1	0	<1	0
Aluminum	ppm	2	2	3	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	1	3	2	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3501	3932	4175	4214
Magnesium	ppm	49	39	48	15
Zinc	ppm	1453	1557	1756	1676
Phosphorus	ppm	1161	1247	1378	1306
Barium	ppm	0	0	0	0
Boron	ppm	130	134	133	120

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.

Depot: PENHAR
Unique No: 10683786
Signed: Wes Davis
Report Date: 09 Oct 2023



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VOLVO GRAPHS

