



CONSTRUCTION EQUIPMENT

3751HR VOLVO L220H 2578 - FRONT AXLE



Sample No: VCP408018
Oil Type: SUNOCO TH FLUID
Job No: 3751HR



SAMPLE INFORMATION

Sample Number	VCP408018	VCP234685	VCP214788	---
Sample Date	14 Sep 2023	29 May 2019	15 Dec 2017	---
Machine Hours	16109	5574	1876	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Changed	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---

PENNSYLVANIA SUPPLY
 833 PAXTON STREET
 HARRISBURG, PA
 US 17104
 Contact: KEVIN TAYLOR
 KTAYLOR@OLDCASTLEMATERIALS.COM
 T: (717)236-7040
 F: (717)238-5831



OIL CONDITION

Visc @ 40°C	cSt	42.2	40.4	41.25	---
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CONTAMINATION

Silicon	ppm	10	7	12	---
Sodium	ppm	4	9	3	---
Potassium	ppm	1	5	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	16	27	194	---
Copper	ppm	2	3	3	---
Lead	ppm	<1	0	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	1	0	<1	---
Chromium	ppm	<1	<1	4	---
Molybdenum	ppm	2	<1	2	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	1	6	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	3841	3874	3998	---
Magnesium	ppm	46	13	8	---
Zinc	ppm	1578	1571	1629	---
Phosphorus	ppm	1312	1255	1296	---
Barium	ppm	0	0	0	---
Boron	ppm	150	114	112	---

Depot: PENHAR
Unique No: 10683785
Signed: Don Baldrige
Report Date: 10 Oct 2023



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GRAPHS

