



CONSTRUCTION EQUIPMENT

VOLVO L220H 2280 - REAR AXLE



Sample No: VCP371228
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP371228	VCP394254	VCP395452	VCP356558
Sample Date	10 Oct 2023	27 Feb 2023	06 Dec 2022	11 Apr 2022
Machine Hours	21192	20011	18802	17824
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	51.4	51.7	52.5	52.0
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CONTAMINATION

Silicon	ppm	19	17	16	14
Sodium	ppm	<1	<1	3	6
Potassium	ppm	0	0	0	0

WEAR METALS

Iron	ppm	66	53	69	52
Copper	ppm	0	<1	0	0
Lead	ppm	0	<1	<1	0
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	<1	<1	1	1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	<1	4	6	5
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	<1	<1	<1
Manganese	ppm	<1	1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	3468	3336	3258	3498
Magnesium	ppm	36	42	52	61
Zinc	ppm	1457	1270	1292	1348
Phosphorus	ppm	1195	1017	1027	1169
Barium	ppm	<1	0	<1	0
Boron	ppm	117	108	112	112

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: VOLVO1835
Unique No: 10699888
Signed: Wes Davis
Report Date: 19 Oct 2023



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GRAPHS

