



CONSTRUCTION EQUIPMENT

TRANSYSTEMS VOLVO L220H 2432 - REAR AXLE



Sample No: VCP440850
Oil Type: MOBIL MOBILFLUID 424
Job No: TRANSYSTEMS



SAMPLE INFORMATION

Sample Number	VCP440850	VCP371234	VCP384980	VCP341619
Sample Date	20 Feb 2024	09 Jan 2023	26 Oct 2022	26 Jan 2022
Machine Hours	16592	14949	14038	13013
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ARNOLD MACHINERY COMPANY
 464 WASHINGTON STREET S
 TWIN FALLS, ID
 US 83301
 Contact: JANA E HYMAS
 jhymas@arnoldmachinery.com
 T: (208)733-1715
 F: (775)356-7152



OIL CONDITION

Visc @ 40°C	cSt	51.8	52.7	51.6	52.3
-------------	-----	-------------	------	------	------



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	11	15	11	12
Sodium	ppm	7	0	4	6
Potassium	ppm	0	2	0	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	5	8	8	6
Copper	ppm	<1	0	<1	0
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	1	5	10	12
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3268	3416	3281	3530
Magnesium	ppm	27	43	64	70
Zinc	ppm	1450	1341	1355	1311
Phosphorus	ppm	1211	1081	1017	1147
Barium	ppm	0	0	0	0
Boron	ppm	109	117	112	105

Depot: VOLVO1835
Unique No: 10900263
Signed: Jonathan Hester
Report Date: 05 Mar 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

