



CONSTRUCTION EQUIPMENT

VOLVO L90H 624903 - TRANSMISSION (AUTO)



Sample No: VCP419615
Oil Type: PENNZOIL DEXRON MERCON ATF FLUID
Job No:



SAMPLE INFORMATION

Sample Number	VCP419615	VCP382240	VCP355262	VCP357827
Sample Date	13 Jul 2023	21 Mar 2023	05 Dec 2022	14 Jul 2022
Machine Hours	8814	7935	7020	6143
Oil Hours	839	915	877	864
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	23.7	25.9	25.8	27.1
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CONTAMINATION

Silicon	ppm	4	4	4	4
Sodium	ppm	4	2	3	1
Potassium	ppm	2	3	0	<1



WEAR METALS

Iron	ppm	15	17	28	44
Copper	ppm	2	2	2	3
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	<1
Aluminum	ppm	1	1	<1	1
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	1	3	<1	2
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	106	134	124	172
Magnesium	ppm	0	11	4	11
Zinc	ppm	6	17	25	51
Phosphorus	ppm	253	257	237	259
Barium	ppm	0	0	0	0
Boron	ppm	124	100	107	116

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: COVWES
Unique No: 10564021
Signed: Don Baldrige
Report Date: 21 Jul 2023



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GRAPHS

