



CONSTRUCTION EQUIPMENT

VOLVO L220H 3440 - TRANSMISSION (AUTO)



Sample No: VCP453824
Oil Type: PENNZOIL DEXRON MERCON ATF FLUID
Job No:



SAMPLE INFORMATION

Sample Number	VCP453824	VCP440712	VCP440505	VCP432421
Sample Date	17 Jun 2024	19 Apr 2024	07 Mar 2024	27 Jan 2024
Machine Hours	10140	9009	8197	7338
Oil Hours	1131	812	859	860
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

COVANTA ENERGY
 141 CRANBERRY HWY
 WEST WAREHAM, MA
 US 02576
 Contact: SAWYER
 ssawyer@woodcomachinery.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	28.1	25.4	28.4	22.7
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	2	3	2
Sodium	ppm	4	<1	<1	1
Potassium	ppm	2	0	<1	<1

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	41	27	31	33
Copper	ppm	<1	0	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	0	2	0
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	0	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	93	91	98	21
Magnesium	ppm	0	2	2	0
Zinc	ppm	5	2	5	0
Phosphorus	ppm	254	246	251	239
Barium	ppm	0	0	0	0
Boron	ppm	108	118	116	139

Depot: COVWES
Unique No: 11090091
Signed: Don Baldrige
Report Date: 24 Jun 2024



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GRAPHS

