



CONSTRUCTION EQUIPMENT

VOLVO L220H 2211 - TRANSMISSION (AUTO)



Sample No: VCP432422
Oil Type: PENNZOIL DEXRON MERCON ATF FLUID
Job No:



SAMPLE INFORMATION

Sample Number	VCP432422	VCP429287	VCP419618	VCP370601
Sample Date	17 Jan 2024	10 Oct 2023	12 Jul 2023	21 Nov 2022
Machine Hours	41843	40945	39812	38936
Oil Hours	898	1133	876	887
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

COVANTA ENERGY
 141 CRANBERRY HWY
 WEST WAREHAM, MA
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 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	26.2	26.8	26.5	24.2
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	4	2	3
Sodium	ppm	0	2	1	2
Potassium	ppm	1	1	<1	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 fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	33	76	61	100
Copper	ppm	1	2	2	1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	0	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	3	2	<1
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	0	1	1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	103	120	120	88
Magnesium	ppm	3	8	9	<1
Zinc	ppm	0	31	13	2
Phosphorus	ppm	265	247	246	253
Barium	ppm	0	0	0	0
Boron	ppm	112	108	97	113

Depot: COVWES
Unique No: 10842682
Signed: Don Baldrige
Report Date: 23 Jan 2024

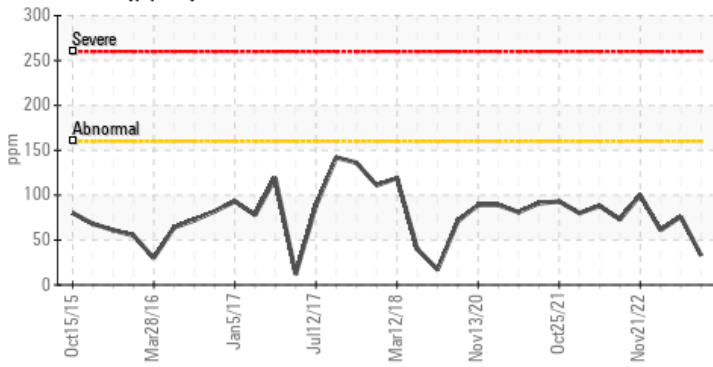


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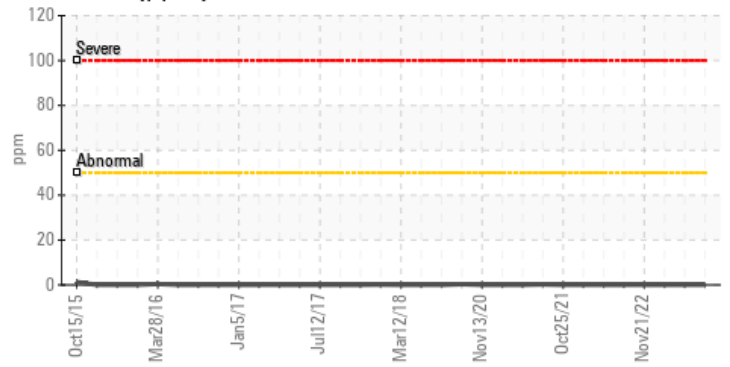


GRAPHS

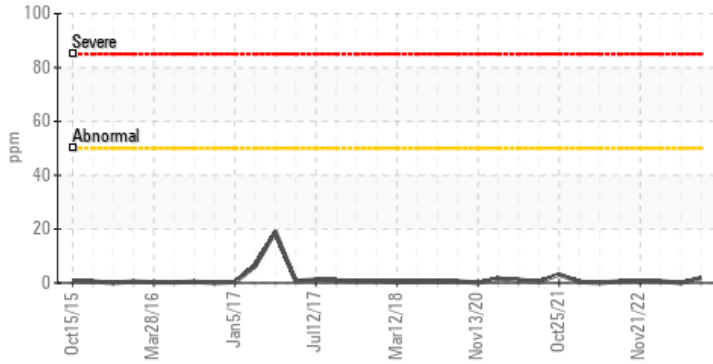
Iron (ppm)



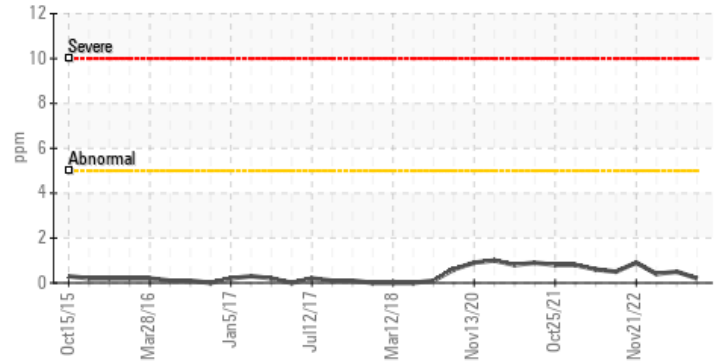
Lead (ppm)



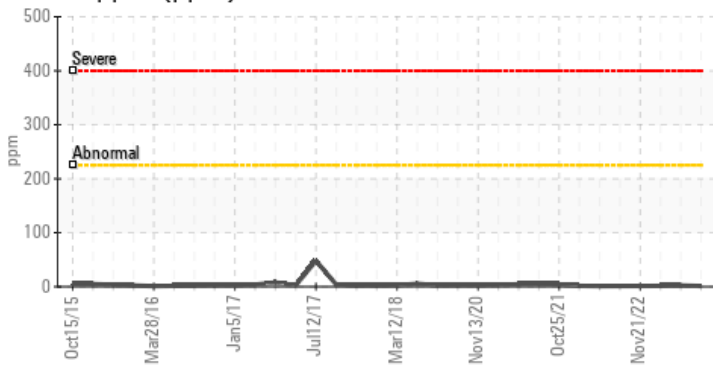
Aluminum (ppm)



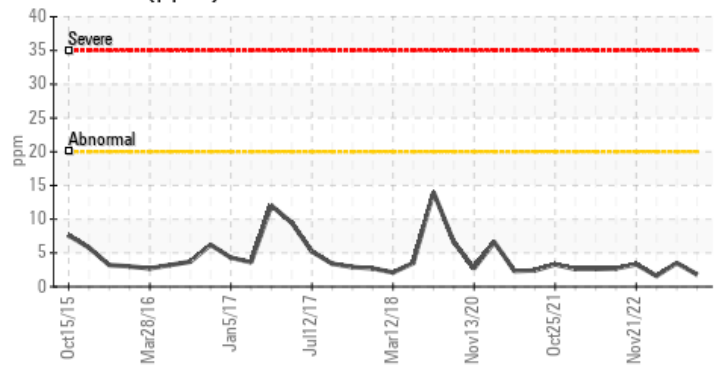
Chromium (ppm)



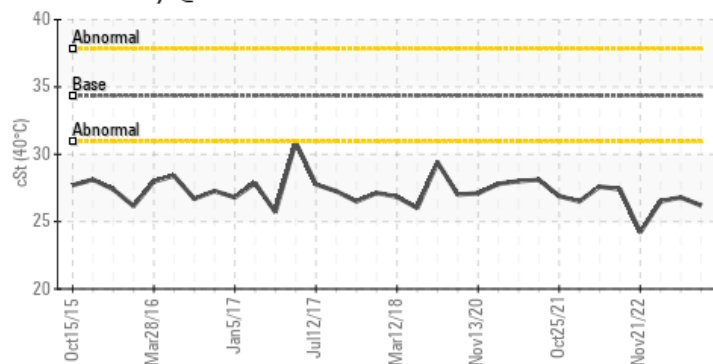
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

