



CONSTRUCTION EQUIPMENT

VOLVO L220G 12681 - TRANSMISSION (AUTO)



Sample No: VCP404568
Oil Type: PENNZOIL DEXRON MERCON ATF FLUID
Job No:



SAMPLE INFORMATION

Sample Number	VCP404568	VCP410514	VCP410515	VCP382241
Sample Date	11 Dec 2023	25 Aug 2023	25 Jul 2023	06 Mar 2023
Machine Hours	36242	35674	35574	35332
Oil Hours	668	99	242	944
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	27.1	29.9	26.5	28.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	6	12	3
Sodium	ppm	6	5	3	2
Potassium	ppm	3	11	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	24	13	67	32
Copper	ppm	4	5	12	5
Lead	ppm	0	0	0	0
Tin	ppm	0	0	1	0
Aluminum	ppm	<1	0	26	2
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	<1	3	<1	1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	4	1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	111	181	113	167
Magnesium	ppm	5	24	2	6
Zinc	ppm	16	72	12	46
Phosphorus	ppm	240	268	253	238
Barium	ppm	0	0	0	0
Boron	ppm	108	86	111	98

Depot: COVWES
Unique No: 10804224
Signed: Jonathan Hester
Report Date: 27 Dec 2023

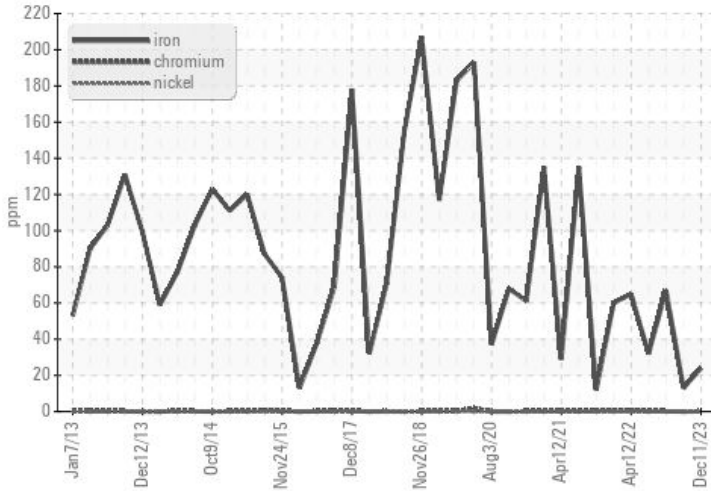


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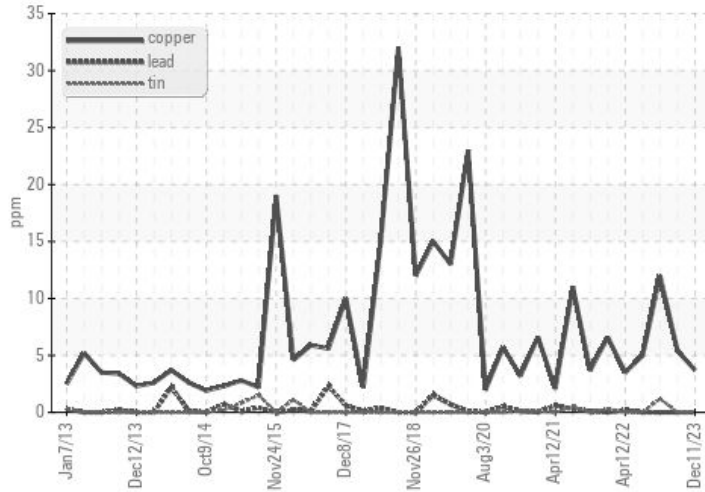


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

