



# CONSTRUCTION EQUIPMENT

## BALL MILL - GEARBOX



**Sample No:** VCP401210  
**Oil Type:** PETRO CANADA ENDURATEX EP 460  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP401210	VCP401208	VCP401207	VCP401211
Sample Date	18 Feb 2024	17 Feb 2024	16 Feb 2024	15 Feb 2024
Machine Hours	0	0	0	0
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	N/A
Sample Status	NORMAL	ABNORMAL	NORMAL	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	471	455	470	459



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	26	7	40
Sodium	ppm	12	2	13	<1
Potassium	ppm	0	<1	0	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	8	19	5	28
Copper	ppm	1	3	1	4
Lead	ppm	<1	86	2	138
Tin	ppm	0	11	0	18
Aluminum	ppm	<1	8	1	12
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	0	<1
Vanadium	ppm	0	0	0	0



### ADDITIVES

Calcium	ppm	15	66	11	99
Magnesium	ppm	1	20	<1	32
Zinc	ppm	5	20	2	33
Phosphorus	ppm	269	229	267	301
Barium	ppm	0	0	0	0
Boron	ppm	56	19	54	21

**Depot:** HOLCHI  
**Unique No:** 10886189  
**Signed:** Sean Felton  
**Report Date:** 21 Feb 2024



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## VOLVO GRAPHS

