



CONSTRUCTION EQUIPMENT

BALL MILL - GEARBOX



Sample No: VCP401208
Oil Type: PETRO CANADA ENDURATEX EP 460
Job No:



SAMPLE INFORMATION

Sample Number	VCP401208	VCP401207	VCP401211	VCP401216
Sample Date	17 Feb 2024	16 Feb 2024	15 Feb 2024	30 Jan 2023
Machine Hours	0	0	0	0
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	N/A
Sample Status	ABNORMAL	NORMAL	ABNORMAL	NORMAL

HOLCIM
 2150 E 130TH ST
 CHICAGO, IL
 US 60633
 Contact: GUS MORENO
 g.moreno@holcim.com
 T: (219)512-0114
 F:



OIL CONDITION

Visc @ 40°C	cSt	455	470	459	447



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	26	7	40	3
Sodium	ppm	2	13	<1	<1
Potassium	ppm	<1	0	1	3

Diagnosis
 No corrective action is recommended at this time. Resample at the next service interval to monitor. The lead level is abnormal. The tin level is abnormal. 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	19	5	28	8
Copper	ppm	3	1	4	1
Lead	ppm	86	2	138	7
Tin	ppm	11	0	18	<1
Aluminum	ppm	8	1	12	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	<1	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	66	11	99	11
Magnesium	ppm	20	<1	32	<1
Zinc	ppm	20	2	33	12
Phosphorus	ppm	229	267	301	284
Barium	ppm	0	0	0	0
Boron	ppm	19	54	21	7

Depot: HOLCHI
Unique No: 10886190
Signed: Sean Felton
Report Date: 21 Feb 2024

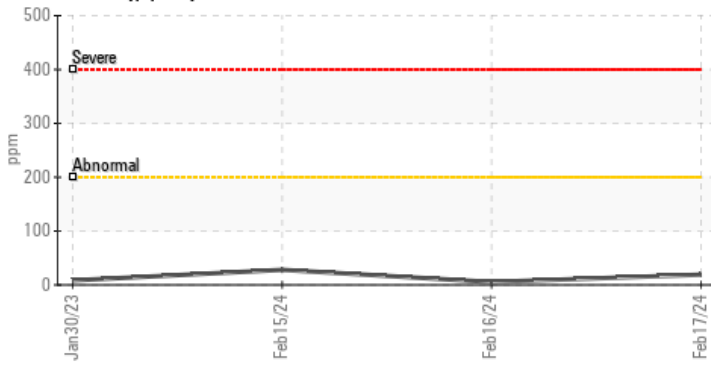


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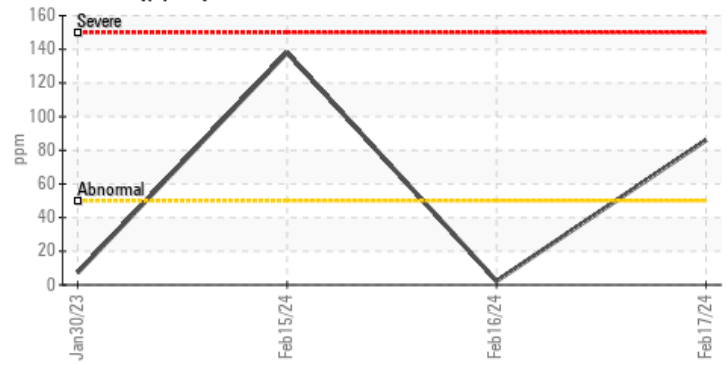


GRAPHS

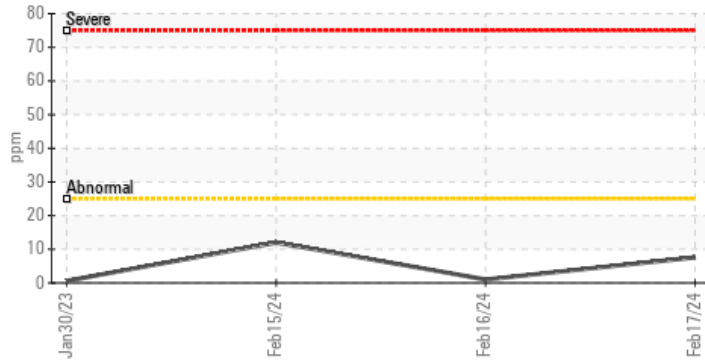
Iron (ppm)



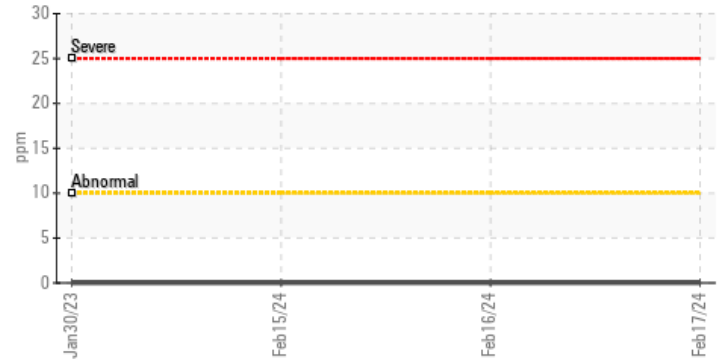
Lead (ppm)



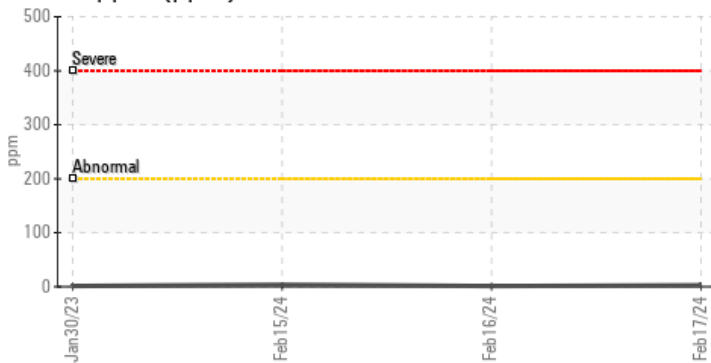
Aluminum (ppm)



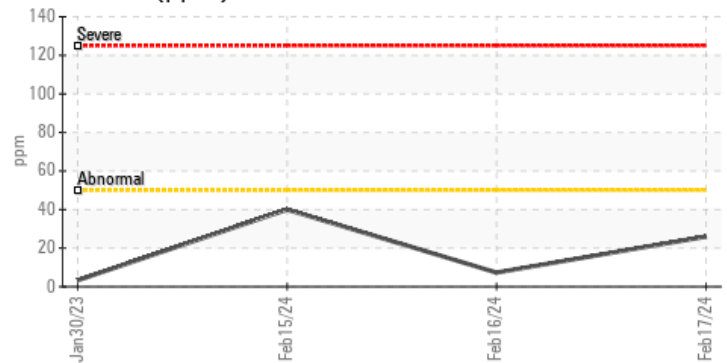
Chromium (ppm)



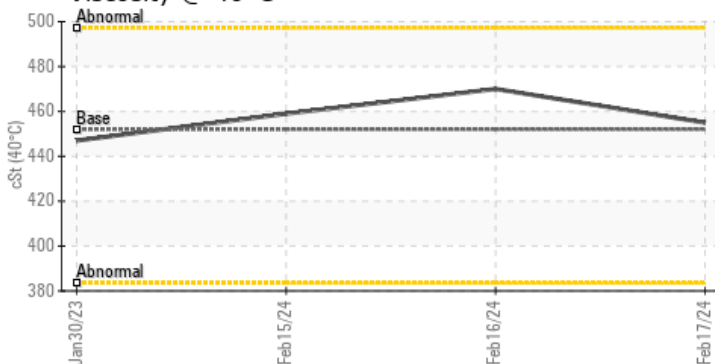
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

