

[GRINDING] COMPRESSOR,AIR,31-AC-1 - COMPRESSOR

Sample No: WC0884203

Oil Type: INGERSOLL-RAND SSR ULTRA COOLANT

SAMPLE INFORMATION

Sample Number	WC0884203	WC0623766	WC0623759	WC0577224
Sample Date	06 Mar 2024	22 Nov 2022	09 Mar 2022	23 Sep 2021
Machine Hours	24298	3078	6866	0
Oil Hours	0	3078	3896	0
Oil Changed	Changed	N/A	Not Changd	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Vale - Clarabelle Mill
 MTW (Mill,Tailings&Water)
 COPPER CLIFF, ON
 CA P0M 1N0
 Contact: Guy Gauthier
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 T: (705)682-5646
 F: (705)682-6273

OIL CONDITION

Visc @ 40°C	cSt	56.8	54.9	53.9	51.7
Acid Number (AN)	mg KOH/g	0.55	0.39	0.60	0.52

CONTAMINATION

Water	%	0.159	0.160	NEG	NEG
Silicon	ppm	0	2	<1	0
Sodium	ppm	61	50	30	26
Potassium	ppm	8	11	23	4

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

PQ		0	0	0	0
Iron	ppm	1	2	<1	<1
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	0	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0

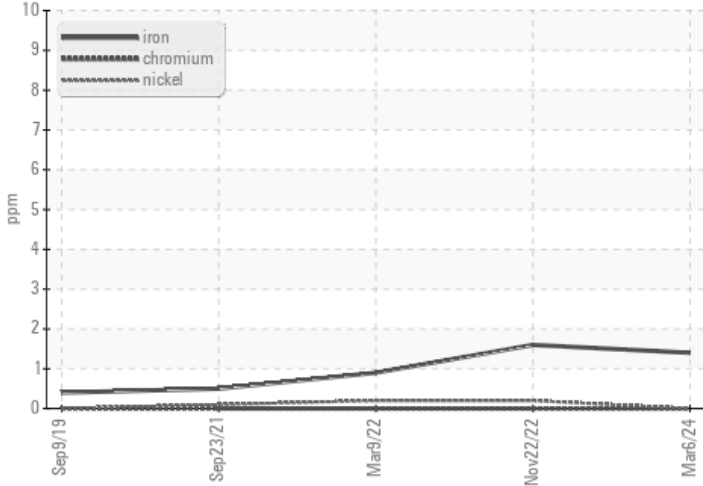
ADDITIVES

Calcium	ppm	6	3	5	6
Magnesium	ppm	<1	1	3	6
Zinc	ppm	10	17	27	12
Phosphorus	ppm	1	11	29	96
Barium	ppm	740	894	725	522
Boron	ppm	<1	2	<1	2

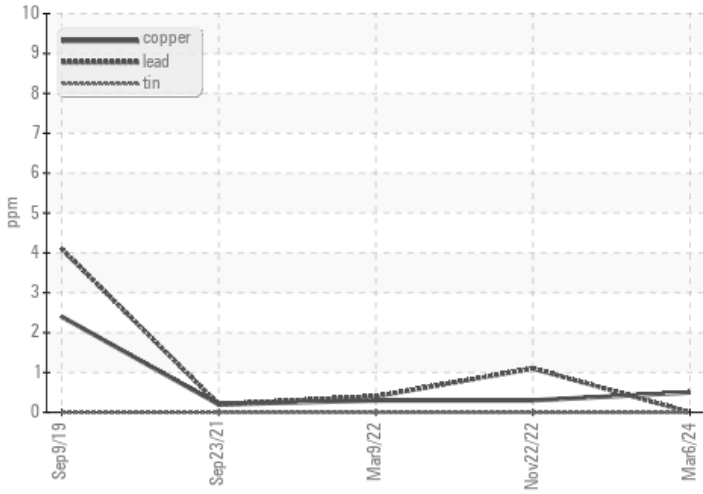
Depot: INCOCLARA
Unique No: 5750836
Signed: Kevin Marson
Report Date: 02 Apr 2024

GRAPHS

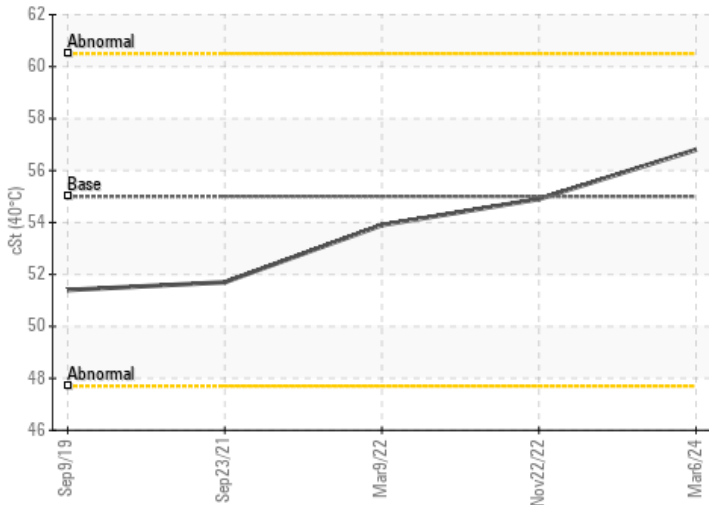
Ferrous Alloys



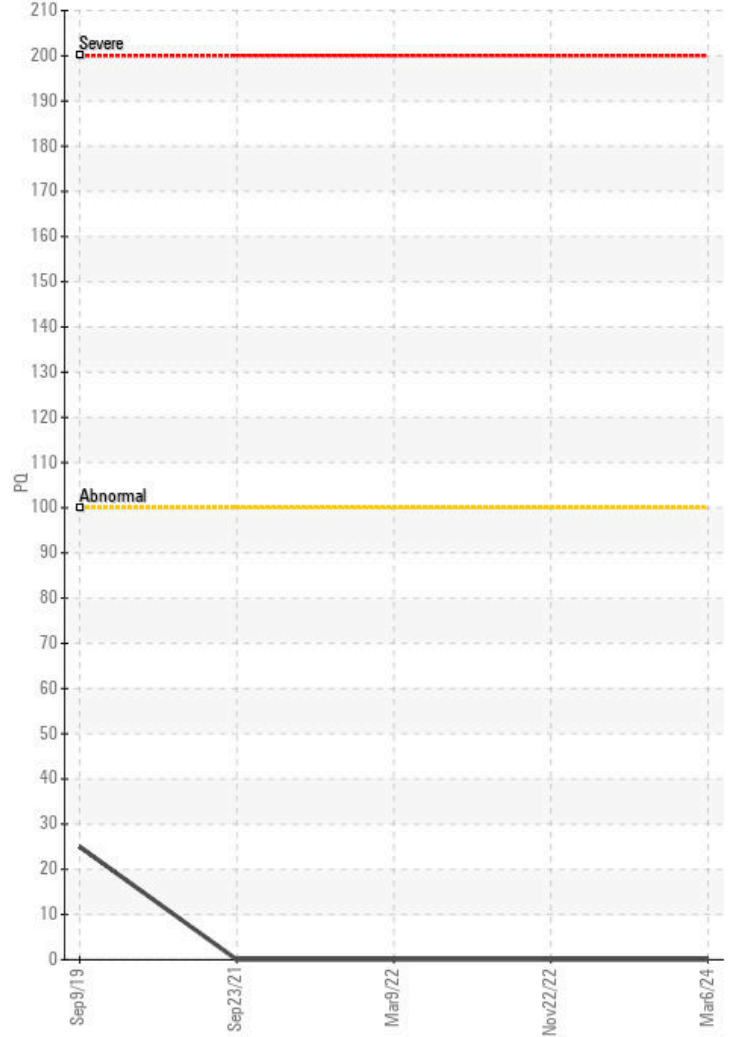
Non-ferrous Metals



Viscosity @ 40°C



PQ



Acid Number

