

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A904C62433-1071(S/N1071-62433) - Hydraulic S

Sample No: LH0250485

Oil Type: PETRO CANADA ENVIRON MV 46



SAMPLE INFORMATION

Sample Number	LH0250485	LH0240782	LH0240790	LH0240802
Sample Date	09 May 2023	13 Mar 2023	21 Dec 2022	15 Oct 2022
Machine Hours	0	20102	19836	19534
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	NORMAL	ATTENTION

Schnitzer Steel Canada Ltd.
 12195 Musqueam Dr.
 Surrey, BC
 CA V3V 3T2
 Contact: Shane Brown
 sbrown@amix.ca
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OIL CONDITION

Visc @ 40°C	cSt	40.6	40.6	40.8	40.8



CONTAMINATION

Particles >4µm		27795	10934	19225	32648
Particles >6µm		7339	361	516	503
Particles >14µm		244	22	29	17
ISO 4406:1999 (c)		22/20/15	21/16/12	21/16/12	22/16/11
Silicon	ppm	<1	<1	<1	1
Sodium	ppm	1	1	1	<1
Potassium	ppm	2	1	1	2



WEAR METALS

PQ		3	6	---	---
Iron	ppm	78	62	35	38
Copper	ppm	2	2	1	1
Lead	ppm	0	<1	<1	0
Tin	ppm	0	<1	0	<1
Aluminum	ppm	1	<1	<1	<1
Chromium	ppm	3	3	2	3
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	15	15	14	21
Magnesium	ppm	3	3	2	3
Zinc	ppm	24	23	18	27
Phosphorus	ppm	627	659	451	651
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	<1	<1

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The condition of the oil is acceptable for the time in service.

Depot: AMISUR
Unique No: 5629642
Signed: Kevin Marson
Report Date: 21 Aug 2023

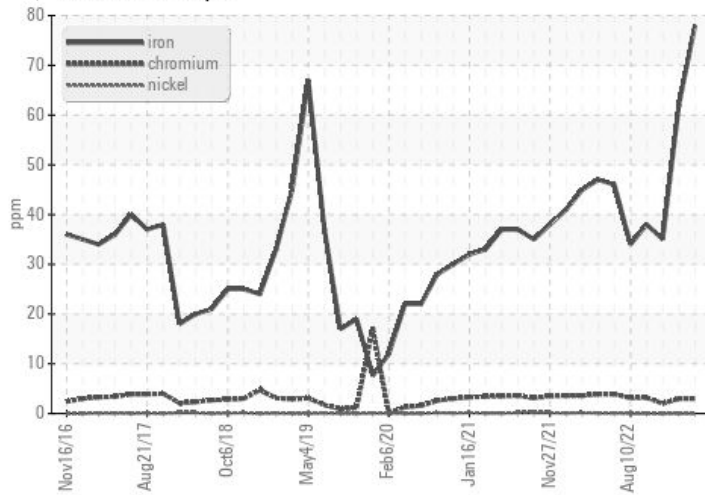
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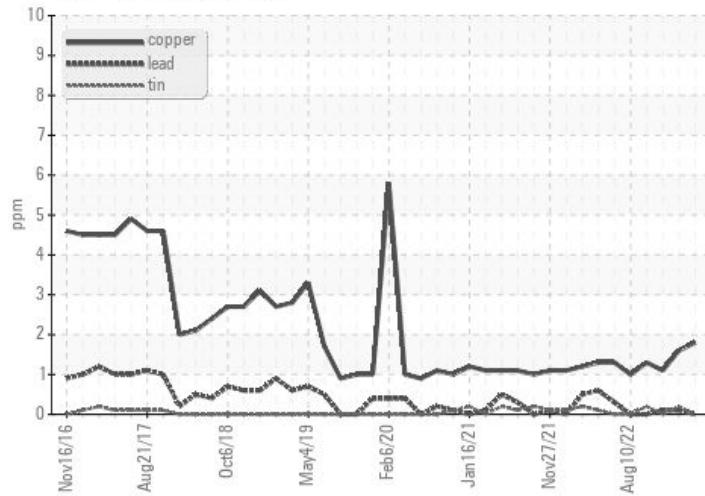


GRAPHS

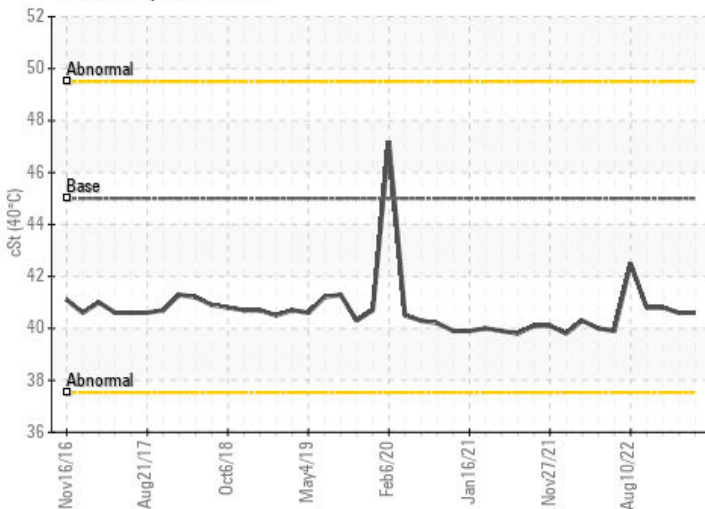
● Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



● Particle Count

