

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 065499-1761- Splitter Box

Sample No: LH0268334

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0268334	LH0258504	LH0244433	LH0217466
Sample Date	07 Feb 2024	24 Aug 2023	24 Mar 2023	11 Jul 2022
Machine Hours	6246	5023	3987	2017
Oil Hours	1223	1036	1970	985
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ATTENTION	MARGINAL	NORMAL

JR VINAGRO
2208 PLAINFIELD PIKE
JOHNSTON, RI
US 02919
Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	105	69.1	140	168
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	7	2	1
Sodium	ppm	2	1	2	1
Potassium	ppm	0	2	0	0

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	12	31	15	19
Copper	ppm	2	3	3	<1
Lead	ppm	<1	2	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	2	<1	0
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	0	0	1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

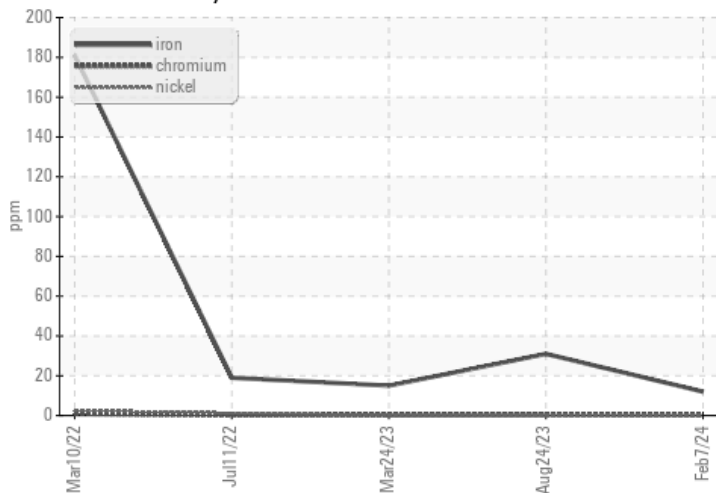
Calcium	ppm	548	1256	345	19
Magnesium	ppm	34	385	5	0
Zinc	ppm	300	642	240	405
Phosphorus	ppm	1711	1197	2091	2002
Barium	ppm	0	0	0	0
Boron	ppm	35	90	2	4

Depot: JRVJOH
Unique No: 10873867
Signed: Don Baldrige
Report Date: 13 Feb 2024

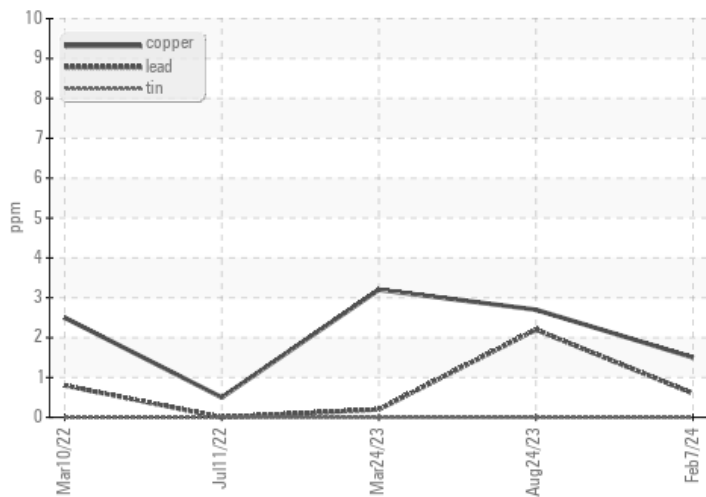


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

