

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A924C057657-1049 - Splitter Box

Sample No: LH0272290

Oil Type: GEAR OIL SAE 80W90



Sample Information

Sample Number	LH0272290	LHMC147158	LHMC62234	LHMC65230
Sample Date	06 May 2024	28 Feb 2019	11 Jul 2018	20 Jul 2016
Machine Hours	26835	16897	15428	11191
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	N/A
Sample Status	NORMAL	ATTENTION	NORMAL	NORMAL

INTEGRITY METALS

835 EAST INDUSTRIAL

MORRISTOWN, IN

US 46161

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Oil Condition

Visc @ 40°C	cSt	182	87.49	120.7	128.7
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	4	7	13
Sodium	ppm	3	<1	7	4
Potassium	ppm	2	7	7	3

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.



Wear Metals

Iron	ppm	59	35	295	184
Copper	ppm	9	<1	4	4
Lead	ppm	0	1	0	0
Tin	ppm	<1	0	0	5
Aluminum	ppm	<1	<1	<1	2
Chromium	ppm	<1	<1	2	<1
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	<1	6	2
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	30	24	30	44
Magnesium	ppm	7	3	4	8
Zinc	ppm	25	22	43	64
Phosphorus	ppm	2468	283	860	1062
Barium	ppm	0	0	0	2
Boron	ppm	7	7	50	3

Depot: INTMORLH

Unique No: 11018147

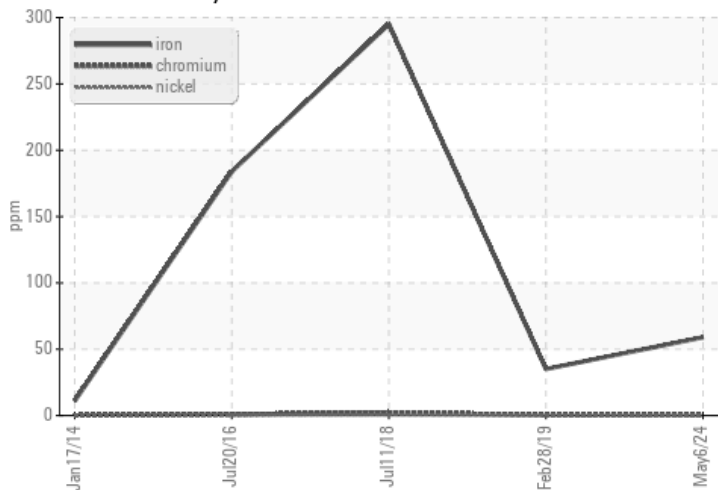
Signed: Don Baldrige

Report Date: 09 May 2024

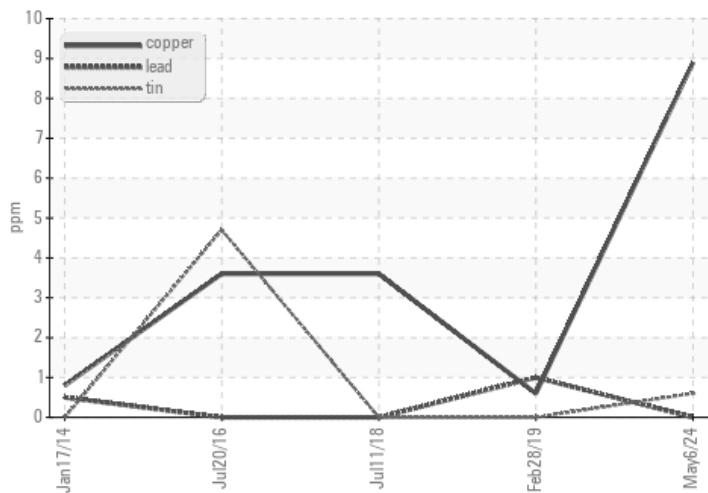


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

