

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934C 064064-1007 - Rear Differential

Sample No: LH0272763

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90



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SAMPLE INFORMATION

Sample Number	LH0272763	LH0254763	LH0243215	LH0217643
Sample Date	21 Dec 2023	23 Jun 2023	10 Jan 2023	05 Jul 2022
Machine Hours	25949	24973	24002	23011
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	120	140	147	138
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CONTAMINATION

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



WEAR METALS

Iron	ppm	21	19	18	12
Copper	ppm	5	3	3	2
Lead	ppm	<1	<1	0	0
Tin	ppm	<1	0	0	<1
Aluminum	ppm	1	<1	<1	<1
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	<1	<1	<1	1
Nickel	ppm	<1	0	0	0
Titanium	ppm	1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	44	41	60	111
Magnesium	ppm	7	9	11	13
Zinc	ppm	11	38	12	48
Phosphorus	ppm	767	1135	1007	966
Barium	ppm	1	2	0	0
Boron	ppm	3	6	9	24

Diagnosis

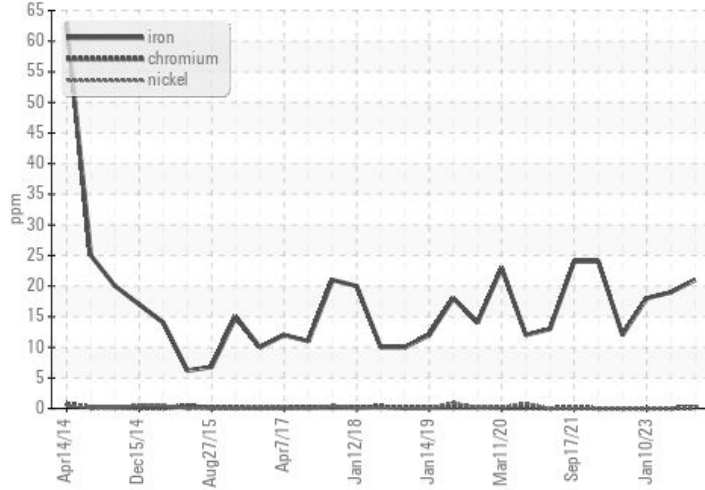
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
 Unique No: 10817556
 Signed: Jonathan Hester
 Report Date: 08 Jan 2024

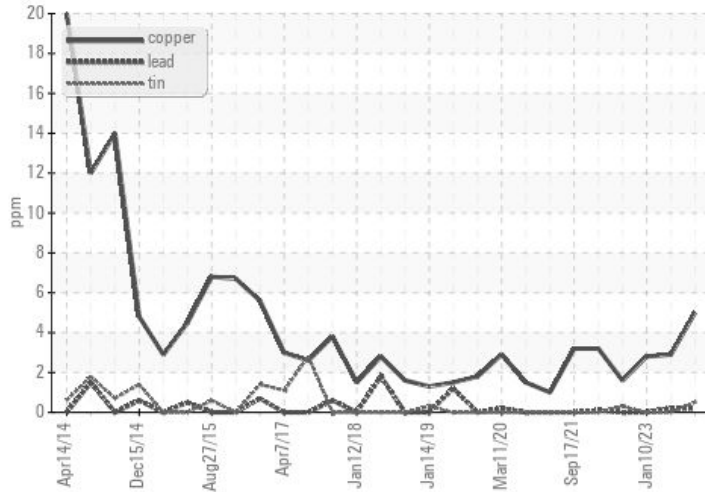


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

