LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR A934C 064064-1007 - Swing Drive

Sample No: LH0272771

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90



COI	NTAMINA	ATION			
Water	%	NEG	NEG	0.304	NEG
Silicon	ppm	3	3	4	O 1
Sodium	ppm	0	O 0	O 2	<1
Potassium	ppm	1	O 2	3	1

WEA	R METALS				
Iron	ppm	669	O 570	O 1020	O 112
Copper	ppm	186	O 111	O 152	O 69
Lead	ppm	<1	O <1	1	O 0
Tin	ppm	14	8	12	5
Aluminum	ppm	1	O <1	1	O <1
Chromium	ppm	5	4	7	O <1
Molybdenum	ppm	1	O <1	1	O 2
Nickel	ppm	2	O 1	1	O <1
Titanium	ppm	1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	6	O 5	0 8	O <1
Vanadium	ppm	0	0	0	0

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Vanadium	ppm	0	0	0	0
ADD	ITIVES				
Calcium	ppm	87	40	68	
Magnesium	ppm	11	0 8	0 8	O 14
Zinc	ppm	83	49	27	6 7
Phosphorus	ppm	761	○ 816	○ 654	O 741
Barium	ppm	1	O 1	O	O 0
Boron	ppm	6	O 7	O 21	29



AMERICAN STATE EQUIPMENT CO. 2400 NORTH 14TH AVENUE

WAUSAU, WI US 54401

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Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Moderate concentration of visible metal present. 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: 10817555
Signed: Jonathan Hester
Report Date: 08 Jan 2024

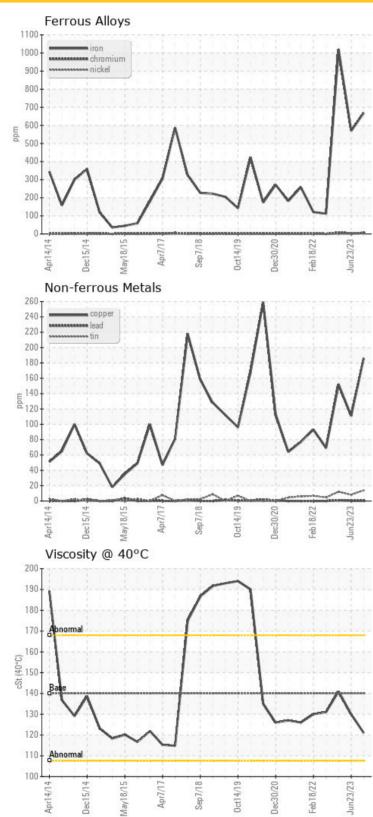
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GRAPHS



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