CONSTRUCTION EQUIPMENT

LIEBHERR LH50M 138442 - Splitter Box

Sample No: LH0281414

Oil Type: **GEAR OIL SAE 80W90**



0	OIL CONDITION					
Visc @ 4	40°C	cSt	87.8	93.4	91.6	98.0
-4						

CONT	AMINATIO	ON			
Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	3	O 2	O 2
Sodium	ppm	3	O <1	O <1	O <1
Potassium	ppm	2	O 0	O <1	O <1

WEAR METALS					
Iron	ppm	8	O 12	O 11	O 26
Copper	ppm	O <1	O 1	O <1	O <1
Lead	ppm	0	O 0	O 0	O 0
Tin	ppm	0	O 0	0	O 0
Aluminum	ppm	 <1	O <1	O <1	O <1
Chromium	ppm	0	O <1	0	O 0
Molybdenum	ppm	0	O 0	O 0	O <1
Nickel	ppm	○ <1	O <1	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	<1	0	<1	0
Manganese	ppm	0	0	0	O <1
Vanadium	ppm	0	0	0	0

Vanadium	ppm	0	0	0	0	
ADDITIVES						
Calcium	ppm	18	O 18	O 15	O 44	
Magnesium	ppm	0 1	3	O 1	6	
Zinc	ppm	51	20	O 16	O 29	
Phosphorus	ppm	1194	O 1359	O 1346	O 1446	
Barium	ppm	() <1	0	O 0	O 0	
Boron	ppm	305	○ 339	○ 303	O 262	



CMI - COMBINED METAL INDUSTRIES 505 GARY RAY DRIVE NORTH YORK, ON CA M9L 1P9 Contact: Greg Sacher gsacher@combinedmetal.com T: (416)642-7262 F:

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. Viscosity of sample indicates oil is within SAE 80 range, advise investigate. The condition of the oil is acceptable for the time in service.

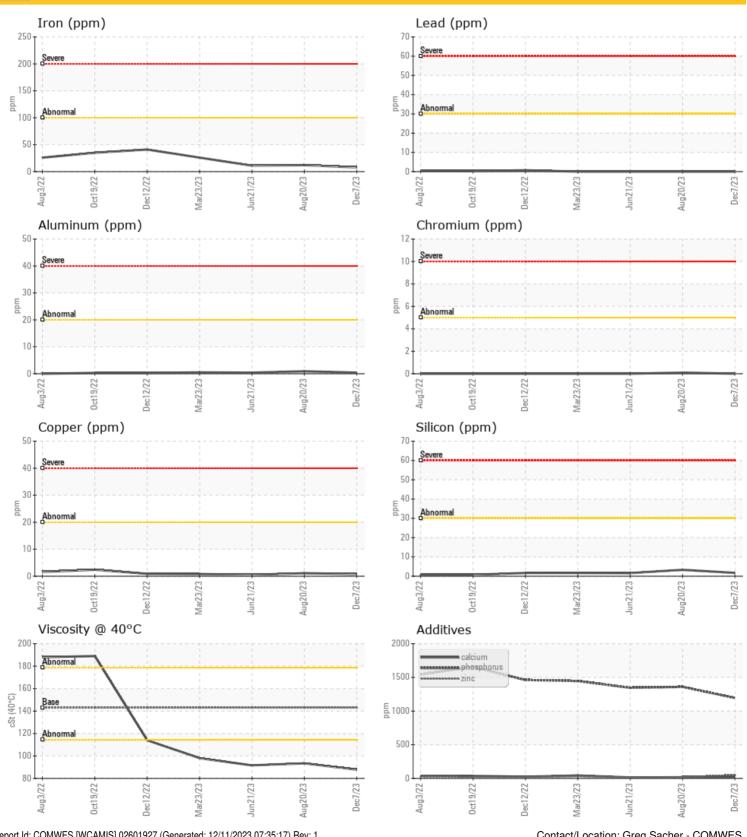
COMWES Depot: Unique No: 5695012 Signed: Kevin Marson **Report Date:** 11 Dec 2023

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GRAPHS



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Contact/Location: Greg Sacher - COMWES