CONSTRUCTION EQUIPMENT

LIEBHERR LH4OC 113524-1527 - Left Final Drive

Sample No: LH0269745

Viso

Oil Type: GEAR OIL SAE 80W90

SAMPLE INFORMATION

Sample Number	LH0269745	LH0238659	LH0110731	
Sample Date	04 Jan 2024	23 Feb 2023	29 Aug 2019	
Machine Hours	0	8256	575	
Oil Hours	0	0	0	
Oil Changed	N/A	Changed	Changed	
Sample Status	NORMAL	SEVERE	NORMAL	

OIL CO	ONDITION				
sc @ 40°C	cSt	48.1	0 139	186	

Water	%	0.157	NEG	NEG	
Silicon	ppm	0 460	0 795	0 46	
Sodium	ppm	0 14	22	6	
Potassium	ppm	0 21	0 37	6	

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WEAI	R METALS				
PQ		200	0 184		
Iron	ppm	527	2545	204	
Copper	ppm	04	3	01	
Lead	ppm	02	04	○ <1	
Tin	ppm	0	0	0	
Aluminum	ppm	0 75	0 127	8	
Chromium	ppm	5	0 30	5	
Molybdenum	ppm	0	3	○ <1	
Nickel	ppm	02	20	1	
Titanium	ppm	4	9	<1	
Silver	ppm	0	0	<1	
Manganese	ppm	0 5	0 19	0 4	
Vanadium	ppm	0	<1	<1	

ADDITIVES Calcium 3425 0 45 ppm 0 155 Magnesium 0 28 0 25 04 ppm 28 0 31 Zinc ppm 1302 Phosphorus 0 1100 0 1901 0 2326 ppm Barium 04 ppm \bigcirc 1 0 13 Boron ppm 089 280 06





RICHMOND STEEL RECYCLING 9623 78TH STREET Fort St.John, BC CA V1J 4J8 Contact: Service Manager

T: F:

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within SAE 75W80 range, advise investigate. The condition of the oil is acceptable for the time in service.

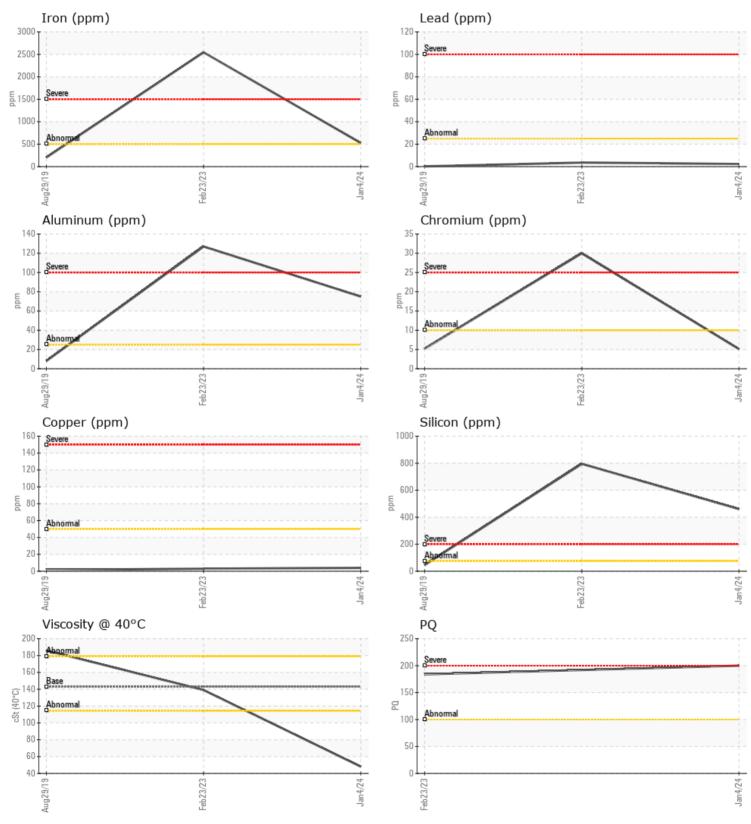
Depot: Unique No: Signed: Report Date: RIC962FOR 5708647 Kevin Marson 10 Jan 2024





GRAPHS

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