CONSTRUCTION EQUIPMENT

LIEBHERR LH80M 1218-157090 - Rear Differential

Sample No: LH0282871

Oil Type: GEAR OIL SAE 80W90

Sample Information

Sample Number	LH0282871	LH0282882	LH0282893	
Sample Date	18 May 2024	19 Apr 2024	19 Mar 2024	
Machine Hours	1559	997	545	
Oil Hours	0	0	0	
Oil Changed	Not Changd	Changed	Not Changd	
Sample Status	ATTENTION	NORMAL	NORMAL	
Oil Condition				
Visc @ 40°C cSt	0 89.2	0 145	0 139	

Contamination % Water NEG NEG NEG Silicon ppm 11 0 10 06 Sodium 02 04 02 ppm Potassium 02 ppm $\bigcirc 3$ \bigcirc <¹

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₩ee	ar Metals				
Iron	ppm	2 9	◯ 41	◯ 33	
Copper	ppm	0 14	0 15	0 11	
Lead	ppm	0	◯ <1	0	
Tin	ppm	0 🔘	○ <1	0 2	
Aluminum	ppm	01	◯ <1	◯ <1	
Chromium	ppm	◯ <1	0	◯ <1	
Molybdenum	ppm	04	0	0 1	
Nickel	ppm	◯ <1	0	◯ <1	
Titanium	ppm	<1	0	0	
Silver	ppm	<1	0	0	
Manganese	ppm	○ <1	2	0 1	
Vanadium	ppm	<1	0	<1	

٥ **Additives** Calcium ppm 0 180 0 127 0 186 0 30 05 Magnesium ppm ○ <1 28 0 34 Zinc 0 122 ppm Phosphorus ppm 0 532 0 1532 0 1503 0 Barium 0 ppm 01 Boron 06 ppm $\bigcirc 5$ 06





KINDER MORGAN

4301 IVERSON TRINITY, AL US 35601 Contact: RICKY JOHNSON ricky_johnson@kindermorgan.com T: F: (256)355-5250

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 oil viscosity is lower than normal. Confirm oil type.

Depot: KINTRI Unique No: Signed: **Report Date:**

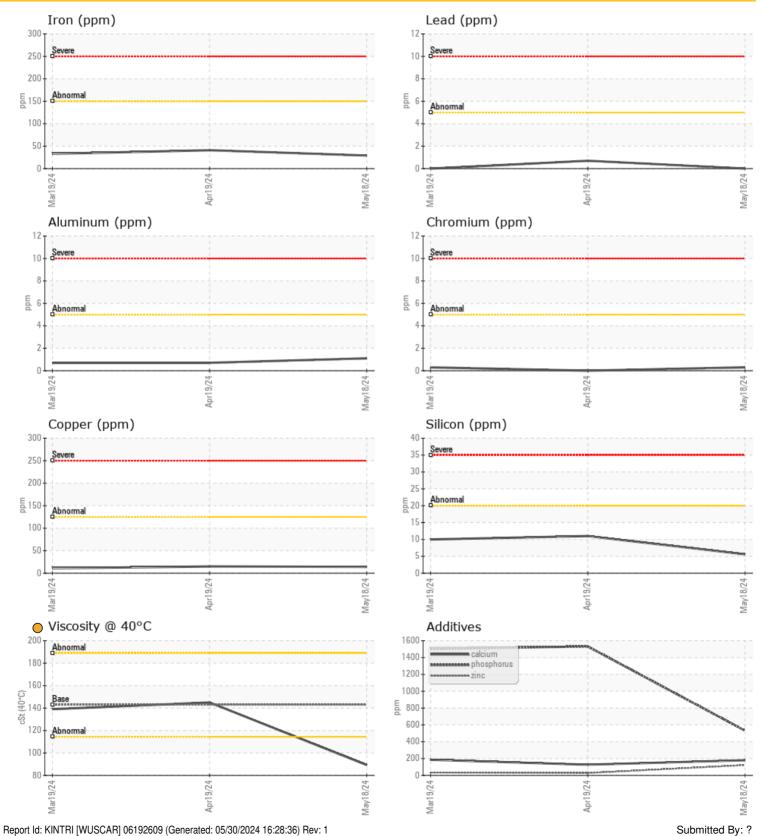
11049361 Don Baldridge 30 May 2024 Submitted By: ?





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Graphs



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