

LIEBHERR TA 230 145963-1513 - 1 Differential

LHMC91483

22 Jun 2023 419

ABNORMAL

419

N/A

Sample No: LHMC91483

Oil Type: LIEBHERR GEAR MF 80W

SAMPLE INFORMATION

Sample Number	
Sample Date	
Machine Hours	
Oil Hours	
Oil Changed	
Sample Status	

OIL CONDITION

Visc @ 40°C

cSt **63.3**

	ITAMIN/	TION		
Silicon	ppm	0 84	 	
Sodium	ppm	0 24	 	
Potassium	ppm	0	 	

0				
	R METAL	S		
Iron	ppm	296	 	
Copper	ppm	<u> </u>	 	
Lead	ppm	3	 	
Tin	ppm	10	 	
Aluminum	ppm	0 12	 	
Chromium	ppm	04	 	
Molybdenum	ppm	○ <1	 	
Nickel	ppm	0 17	 	
Titanium	ppm	1	 	
Silver	ppm	0	 	
Manganese	ppm	34	 	
Vanadium	ppm	0	 	



ADDITIVES

Calcium	ppm	3203	 	
Magnesium	ppm	0 15	 	
Zinc	ppm	0 1319	 	
Phosphorus	ppm	0 1137	 	
Barium	ppm	0	 	
Boron	ppm	0 138	 	





NUECES POWER EQUIPMENT

7667 N SAM HOUSTON PKWY EAST HUMBLE, TX US 77396 Contact: JOHN GUERRA jguerra@npetex.com T: F:

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.The copper level is abnormal. All other metal levels are typical for a new component breaking in. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

Depot:	NUEHUM
Unique No:	10548859
Signed:	Don Baldridge
Report Date:	11 Jul 2023

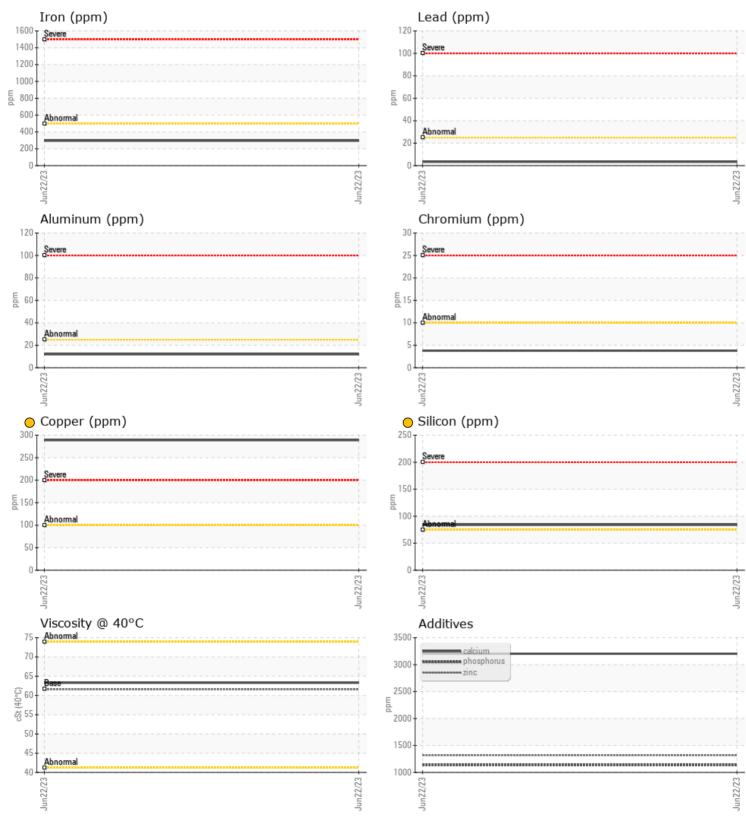
Contact/Location: JOHN GUERRA - NUEHUM





GRAPHS

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Contact/Location: JOHN GUERRA - NUEHUM