

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR TA 230 145963-1513 - Center Differential

Sample No: LHMC91479

Oil Type: LIEBHERR GEAR MF 80W



SAMPLE INFORMATION

Sample Number	LHMC91479	---	---	---
Sample Date	22 Jun 2023	---	---	---
Machine Hours	419	---	---	---
Oil Hours	419	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

NUECES POWER EQUIPMENT
 7667 N SAM HOUSTON PKWY EAST
 HUMBLE, TX
 US 77396
 Contact: SARKES GONZALEZ
 sgonzalez@npetex.com
 T: (713)247-0066
 F: (713)941-2262



OIL CONDITION

Visc @ 40°C	cSt	● 63.6	---	---	---
-------------	-----	--------	-----	-----	-----



CONTAMINATION

Silicon	ppm	● 24	---	---	---
Sodium	ppm	● 30	---	---	---
Potassium	ppm	● 0	---	---	---

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	● 338	---	---	---
Copper	ppm	● 83	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 6	---	---	---
Aluminum	ppm	● 6	---	---	---
Chromium	ppm	● 5	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● 9	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 99	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	● 3477	---	---	---
Magnesium	ppm	● 17	---	---	---
Zinc	ppm	● 1407	---	---	---
Phosphorus	ppm	● 1208	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 145	---	---	---

Depot: NUEHUM
Unique No: 10548861
Signed: Don Baldrige
Report Date: 11 Jul 2023



GRAPHS

