

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR PR736LGP 023091-1736 - Left Final Drive

Sample No: LH0279575

Oil Type: LIEBHERR HYPOID 85W-140 EP



ACTI-CITE INC.
 955 CHEMIN SAINT-JOSE
 LA PRAIRIE, QC
 CA J5R 3X8
 Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0279575	---	---	---
Sample Date	17 Nov 2023	---	---	---
Machine Hours	1988	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 311	---	---	---
Visc @ 100°C	cSt	● 23.2	---	---	---
Viscosity Index (VI)	Scale	● 93	---	---	---

T:
F:



CONTAMINATION

Water	%	● 0.046	---	---	---
Silicon	ppm	● 14	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● 1	---	---	---

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



WEAR METALS

Iron	ppm	● 345	---	---	---
Copper	ppm	● 185	---	---	---
Lead	ppm	● 5	---	---	---
Tin	ppm	● 7	---	---	---
Aluminum	ppm	● 4	---	---	---
Chromium	ppm	● 4	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 1	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● <1	---	---	---
Manganese	ppm	● 4	---	---	---
Vanadium	ppm	● 0	---	---	---



ADDITIVES

Calcium	ppm	● 30	---	---	---
Magnesium	ppm	● 4	---	---	---
Zinc	ppm	● 74	---	---	---
Phosphorus	ppm	● 1096	---	---	---
Barium	ppm	● 34	---	---	---
Boron	ppm	● 2	---	---	---

Depot: ACT955LAP
Unique No: 5683206
Signed: Kevin Marson
Report Date: 24 Nov 2023



GRAPHS

