



CONSTRUCTION EQUIPMENT

CATERPILLAR 3027 - LEFT FINAL DRIVE



Sample No: VC06070732
Oil Type: CAT TDTO 30W
Job No:



SAMPLE INFORMATION

Sample Number	VC06070732	---	---	---
Sample Date	04 Jan 2024	---	---	---
Machine Hours	4740	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

LEONARDS CONTRACTING
 30850 STEPHENSON HWY
 MADISON HEIGHTS, MI
 US 48071
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OIL CONDITION

Visc @ 40°C	cSt	█ 115	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 64	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 10	---	---	---

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



WEAR METALS

Iron	ppm	█ 208	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 19	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	█ 0	---	---	---



ADDITIVES

Calcium	ppm	█ 615	---	---	---
Magnesium	ppm	█ 11	---	---	---
Zinc	ppm	█ 241	---	---	---
Phosphorus	ppm	█ 1043	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 210	---	---	---

Depot: LEOMAD
Unique No: 10847409
Signed: Don Baldrige
Report Date: 28 Jan 2024



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GRAPHS

