



[KELLER] 115479 - Crowd Winch Drive

Sample No: LH0286517

Oil Type: {unknown}



SAMPLE INFORMATION

Sample Number	LH0286517	---	---	---
Sample Date	14 Mar 2024	---	---	---
Machine Hours	493	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
 Contact: Steve Lehto
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OIL CONDITION

Visc @ 40°C	cSt	232	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	3	---	---	---
Sodium	ppm	1	---	---	---
Potassium	ppm	<1	---	---	---

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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	32	---	---	---
Copper	ppm	<1	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	44	---	---	---
Magnesium	ppm	<1	---	---	---
Zinc	ppm	17	---	---	---
Phosphorus	ppm	397	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	24	---	---	---

Depot: LIEMIS
 Unique No: 5747558
 Signed: Kevin Marson
 Report Date: 17 Mar 2024



GRAPHS

