

LIEBHERR

CONSTRUCTION EQUIPMENT



[ZANCON FOUNDATIONS] LIEBHERR LB28 115549 - Drilling Dr

Sample No: LH0216128

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0216128	---	---	---
Sample Date	14 Feb 2024	---	---	---
Machine Hours	6134	---	---	---
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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 T: (905)319-9222
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OIL CONDITION

Visc @ 40°C	cSt	196	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	2	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	2	---	---	---



WEAR METALS

Iron	ppm	77	---	---	---
Copper	ppm	67	---	---	---
Lead	ppm	2	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	2	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	46	---	---	---
Magnesium	ppm	1	---	---	---
Zinc	ppm	13	---	---	---
Phosphorus	ppm	1117	---	---	---
Barium	ppm	1	---	---	---
Boron	ppm	2	---	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The viscosity of the oil is higher than normal, possibly indicating the addition of a heavier grade of oil. The condition of the oil is acceptable for the time in service.

Depot: LIEMIS
 Unique No: 5733529
 Signed: Kevin Marson
 Report Date: 20 Feb 2024



GRAPHS

