

LIEBHERR

CONSTRUCTION EQUIPMENT



[(341438)] LIEBHERR LH60C T19413-1528 - Hydraulic System

Sample No: LH0286366

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



Sample Information

Sample Number	LH0286366	LH0281029	LH0269768	LH0224962
Sample Date	16 Apr 2024	24 Jan 2024	21 Sep 2023	27 Oct 2022
Machine Hours	8962	8175	7642	6459
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	SEVERE	SEVERE	SEVERE	NORMAL

AltaSteel

9401 34 St NW
Edmonton, AB
CA T6B 2X6
Contact: Richard Bailey
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T:
F:



Oil Condition

Visc @ 40°C	cSt	37.5	38.5	38.1	38.3



Contamination

Water	%	NEG	NEG	0.017	NEG
Particles >4µm		44719	930	16332	8733
Particles >6µm		14192	181	7082	2774
Particles >14µm		1059	11	1136	244
ISO 4406:1999 (c)		23/21/17	17/15/11	21/20/17	20/19/15
Silicon	ppm	<1	<1	2	1
Sodium	ppm	2	2	2	2
Potassium	ppm	0	0	<1	<1



Wear Metals

PQ		12	17	14	---
Iron	ppm	96	97	95	48
Copper	ppm	9	9	10	9
Lead	ppm	0	0	<1	1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	1	1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	2	<1	1	1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	424	469	464	514
Magnesium	ppm	2	2	2	2
Zinc	ppm	692	717	719	677
Phosphorus	ppm	554	572	595	605
Barium	ppm	0	0	<1	0
Boron	ppm	<1	0	1	3

Diagnosis

We recommend you service the filters on this component. Re-sampling is suggested to confirm test results prior to significant maintenance activities being performed. Please indicate that this is a resample on your Sample Information Form (SIF). Iron ppm levels are severe. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Depot: ALT940EDM
Unique No: 5762789
Signed: Kevin Marson
Report Date: 18 Apr 2024

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Graphs

