LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR L586 029946 - Hydraulic System

Sample No: LH

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL

ample Number ample Date					
ample Date		LH	LH0120241	LH0097516	LH0116510
sample Date		06 Nov 2023	10 Jul 2018	10 Jan 2018	16 May 2017
Machine Hours		13000	8895	8231	7290
Oil Hours		0	0	0	0
Oil Changed		Changed	Changed	Not Changd	Not Changd
Sample Status		ABNORMAL	NORMAL	NORMAL	NORMAL
OIL CO	NDITION	ı			
/isc @ 40°C	cSt	42.5	O 42.8	O 44.4	44.6
Acid Number (AN)	mg KOH/g			0.893	
24 ·					
	AMINAT				
Particles >4µm		129863	O 2026	38888	O 3778
Particles >6µm		21824	O 420	O 2168	O 294
Particles >14µm		34	o 50	O 103	2 3
SO 4406:1999 (c)		24/22/12	18/16/13	22/18/14	19/15/12
Silicon	ppm	5	O 1	O 2	0 2
Sodium	ppm		0	O <1	O 1
Potassium	ppm	1	O <1	O <1	O <1
WEAR	METALS	○ 7	Q 4	O 5	○ 3
Copper	ppm	<u>0</u> 10	03	O 3	02
Lead	ppm	0 10	O 1	0 <1	0 <1
in .	ppm	0	00	00	00
Aluminum	ppm	0 2	0 <1	0 <1	O <1
Chromium	ppm	0 <1	00	00	00
Molybdenum	ppm	07	00	0 0	0 0
Nickel	ppm	0	00	0 <1	0 <1
itanium		0	0	<1	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	0	<1
/anadium	ppm	0	0	0	0

302

803

605

0

3

406

787

599

0

02

722

771

605

<1

3



Summit Aggregates 2686 Greenfield Blvd. Ayr, ON CA N0B 1E0 Contact: Greg . greg@summitagg.com T: (226)791-0161 F:

Diagnosis

The filter change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Copper ppm levels are abnormal. Bearing and/or bushing wear is indicated. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. Additive levels indicate the addition of a different brand, or type of oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Depot:SUMAYRUnique No:5672888Signed:Kevin MarsonReport Date:14 Nov 2023

ppm

ppm

ppm

ppm

ppm

ppm

221

69

418

380

() <1

6

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

LIEBHERR

CONSTRUCTION EQUIPMENT





GRAPHS

