LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR R9749744 - Hydraulic System

Sample No: LH0260189

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL

a						
SAMP	LE INFOR <i>i</i>	MATION				
Sample Number		LH0260189	LH0199521	LH0242786		
Sample Date		03 Aug 2023	28 Mar 2023	31 Jan 2023		
Machine Hours		0	0	0		
Oil Hours		0	0	0		
Oil Changed		Not Changd	Not Changd	Not Changd		
Sample Status		ABNORMAL	ATTENTION	ATTENTION		
OIL CONDITION						
Visc @ 40°C	cSt	44.3	44.8	45.1		
CONTAMINATION						
Particles >4µm		41952	O 21839	O 20988		
Particles >6µm		6438	<u>5258</u>	3152		

CONTAMINATION						
Particles >4µm		41952	21839	O 20988		
Particles >6µm		6438	5258	3152		
Particles >14µm		384	○ 344	O 116		
ISO 4406:1999 (c)		23/20/16	22/20/16	22/19/14		
Silicon	ppm	() <1	O <1	O <1		
Sodium	ppm	0 <1	0	O <1		
Potassium	ppm	0 <1	0	O <1		
-						

₩E/	R METALS	3			
Iron	ppm	4	O 2	O 5	
Copper	ppm	1	O <1	O <1	
Lead	ppm	0	O <1	O <1	
Tin	ppm	0	O 0	O 0	
Aluminum	ppm	 <1	O <1	O <1	
Chromium	ppm	1	O <1	0 2	
Molybdenum	ppm	0	O 0	O 0	
Nickel	ppm	() <1	O 0	O 0	
Titanium	ppm	0	0	0	
Silver	ppm	0	0	0	
Manganese	ppm	0	O	0	
Vanadium	ppm	0	0	0	

ADDITIVES						
Calcium	ppm	○ 80	O 104	99		
Magnesium	ppm	31	3	4		
Zinc	ppm	705	O 833	O 821		
Phosphorus	ppm	563	O 703	691		
Barium	ppm	0 <1	O 0	O 0		
Boron	ppm	O <1	O <1	O <1		





Gerdau - Mandak Metal Processors Ltd., 1 Railway St., P.O. Box 334 Selkirk, MB CA R1A 2B3 Contact: Santiago Giraldo santiago.giraldo@gerdau.com

1:

F: (204)482-8241

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. 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: MANSEL
Unique No: 5631874
Signed: Wes Davis
Report Date: 29 Aug 2023

CONSTRUCTION EQUIPMENT





GRAPHS

