

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 038133-1168 - Hydraulic System

Sample No: LH0203219

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



SAMPLE INFORMATION

Sample Number	LH0203219	LH0239716	LH0215728	LH0195653
Sample Date	17 Jul 2023	12 Aug 2022	16 Nov 2021	17 May 2021
Machine Hours	11715	11049	10207	9259
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

D & G LANDSCAPING
 1341 COKER
 GREELY, ON
 CA K4P 1A1
 Contact: Maintenance



OIL CONDITION

Visc @ 40°C	cSt	41.1	39.3	37.0	37.6

T:
F:



CONTAMINATION

Particles >4µm		300	1388	1837	5199
Particles >6µm		50	102	305	589
Particles >14µm		6	6	18	25
ISO 4406:1999 (c)		15/13/10	18/14/10	18/15/11	20/16/12
Silicon	ppm	4	4	5	4
Sodium	ppm	<1	1	1	1
Potassium	ppm	<1	<1	1	1

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	8	8	13	11
Copper	ppm	2	2	4	4
Lead	ppm	2	1	2	3
Tin	ppm	0	0	<1	0
Aluminum	ppm	2	1	2	2
Chromium	ppm	<1	<1	1	2
Molybdenum	ppm	2	2	3	3
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	159	169	205	205
Magnesium	ppm	22	33	44	37
Zinc	ppm	663	579	653	660
Phosphorus	ppm	570	489	551	514
Barium	ppm	0	0	0	<1
Boron	ppm	3	5	5	5

Depot: DGLGRE
 Unique No: 5616304
 Signed: Wes Davis
 Report Date: 21 Jul 2023

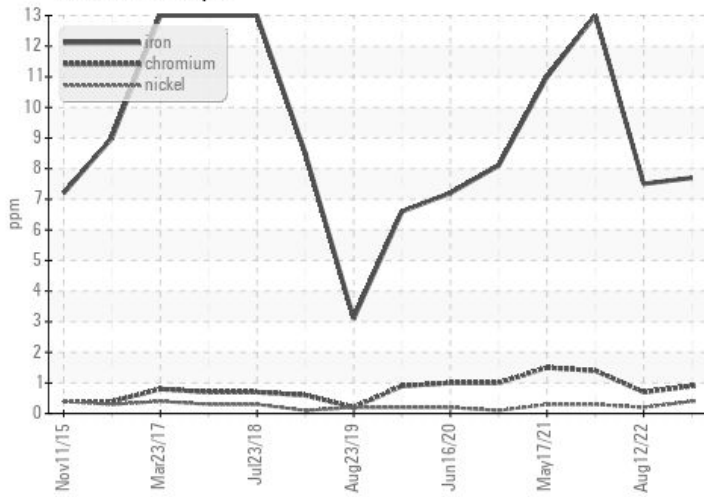
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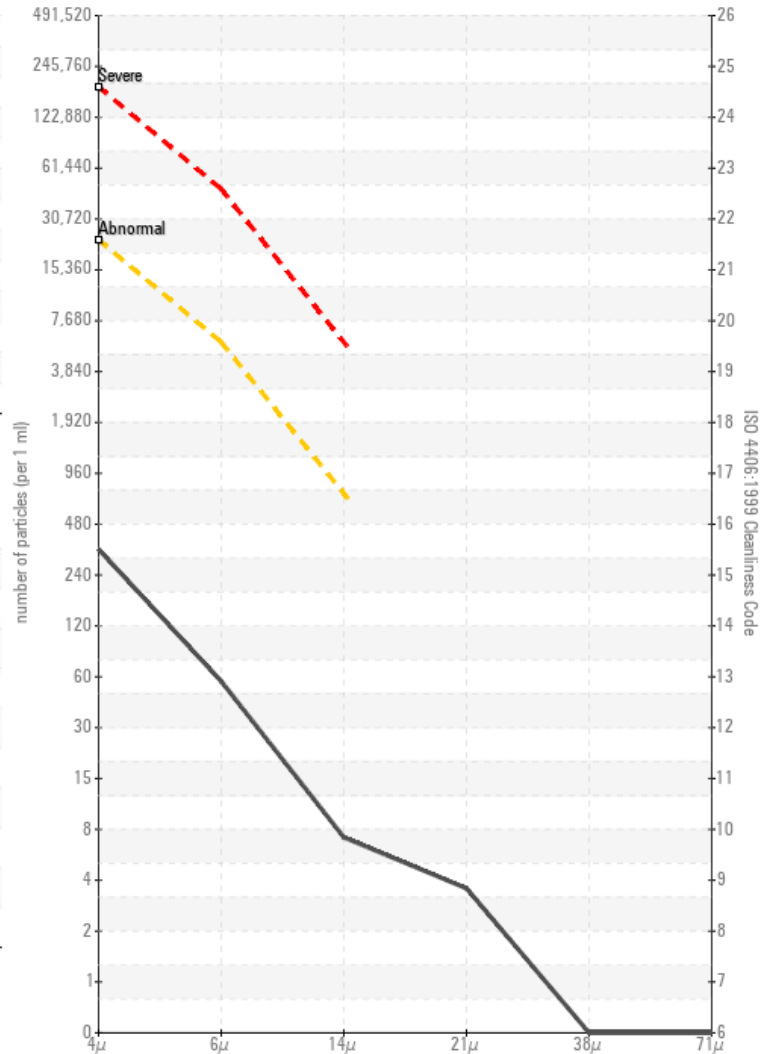


GRAPHS

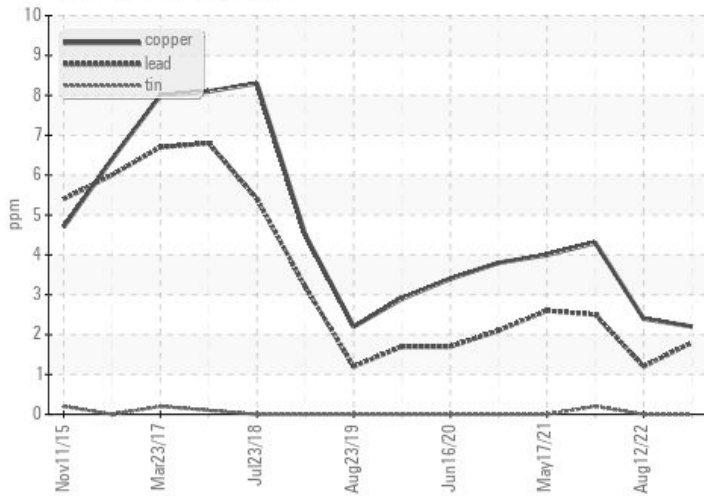
Ferrous Alloys



Particle Count



Non-ferrous Metals



Viscosity @ 40°C

