

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 052872-1332 - Hydraulic System

Sample No: LH0274153

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



SAMPLE INFORMATION

Sample Number	LH0274153	LH0256464	LH0242126	LH0119148
Sample Date	20 Nov 2023	28 Jun 2023	20 Feb 2023	26 Jul 2022
Machine Hours	21950	20000	18000	15125
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Changed	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

Resolute Forest Products

1, chemin de la Scierie, Case postale 2250
Baie-Comeau, QC
CA G5C 2S8
Contact: Paul Breton
paul.breton@liebherr.com
T:
F: (418)960-2788



OIL CONDITION

Visc @ 40°C	cSt	44.3	43.8	44.5	42.9



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		18816	2762	26832	2910
Particles >6µm		3216	27	1182	87
Particles >14µm		67	2	78	7
ISO 4406:1999 (c)		21/19/13	19/12/9	22/17/13	19/14/10
Silicon	ppm	4	6	3	4
Sodium	ppm	1	<1	<1	<1
Potassium	ppm	0	1	<1	<1



WEAR METALS

PQ		---	---	---	0
Iron	ppm	14	17	16	20
Copper	ppm	2	3	2	3
Lead	ppm	2	2	2	4
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	3	2	2
Chromium	ppm	13	18	16	14
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	139	202	239	459
Magnesium	ppm	2	2	1	3
Zinc	ppm	838	837	832	842
Phosphorus	ppm	658	746	737	672
Barium	ppm	<1	0	0	0
Boron	ppm	<1	<1	<1	<1

Diagnosis

Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Usure de segment. La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable. l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Depot: RESBAI
Unique No: 5695400
Signed: Kevin Marson
Report Date: 12 Dec 2023

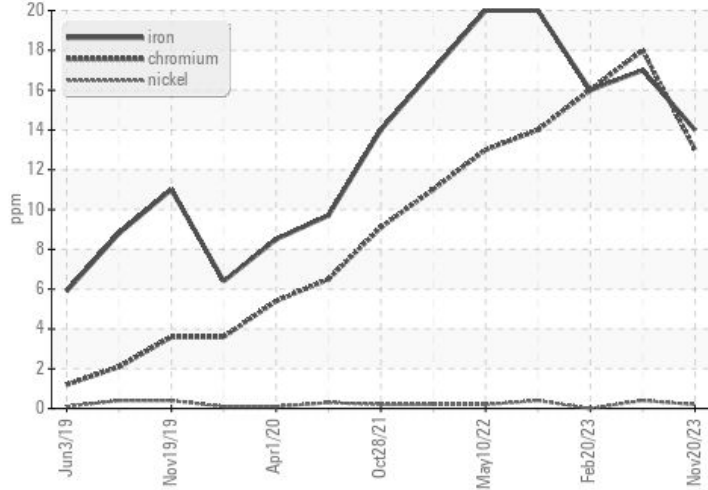
LIEBHERR

CONSTRUCTION EQUIPMENT

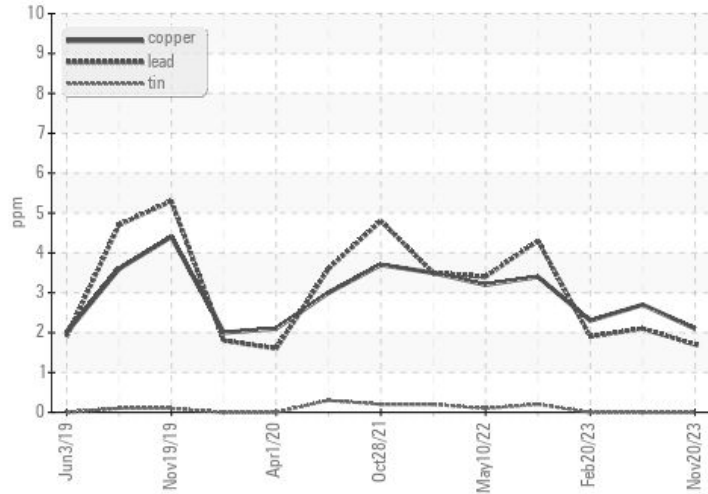


GRAPHS

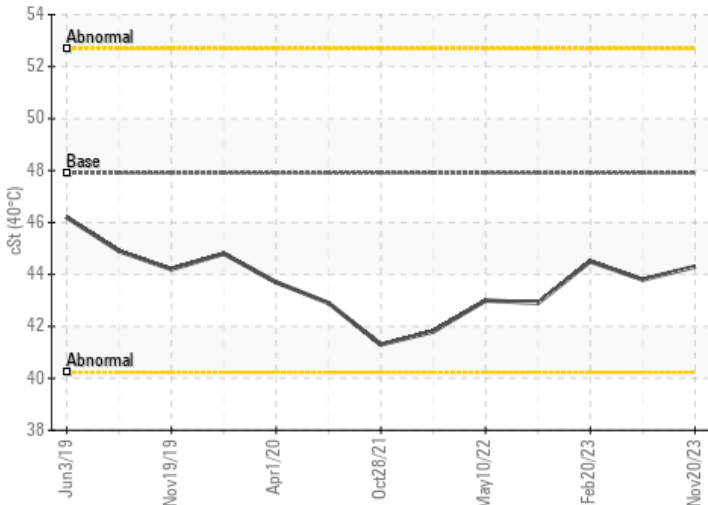
● Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

