

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH26M 124532-1252 - Hydraulic System

Sample No: LH0290490

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



Amix Recycling
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 Surrey, BC
 CA V3R 2V4
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 T:
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Sample Information

Sample Number	LH0290490	LH0288068	LH0242080	---
Sample Date	16 Jul 2024	22 Apr 2024	08 Jan 2024	---
Machine Hours	5572	5135	4614	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Changed	Not Changd	---
Sample Status	ABNORMAL	SEVERE	SEVERE	---



Oil Condition

Visc @ 40°C	cSt	43.8	43.1	42.2	---
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Contamination

Water	%	NEG	NEG	0.020	---
Particles >4µm		3044	9956	584	---
Particles >6µm		763	2348	94	---
Particles >14µm		62	84	14	---
ISO 4406:1999 (c)		19/17/13	20/18/14	16/14/11	---
Silicon	ppm	1	3	4	---
Sodium	ppm	1	2	2	---
Potassium	ppm	<1	7	1	---



Wear Metals

PQ		0	7	20	---
Iron	ppm	67	122	161	---
Copper	ppm	4	6	7	---
Lead	ppm	<1	<1	2	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	<1	<1	2	---
Chromium	ppm	1	2	2	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	2	2	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	227	367	536	---
Magnesium	ppm	2	2	3	---
Zinc	ppm	666	538	580	---
Phosphorus	ppm	547	436	469	---
Barium	ppm	0	0	0	---
Boron	ppm	<1	<1	<1	---

Diagnosis

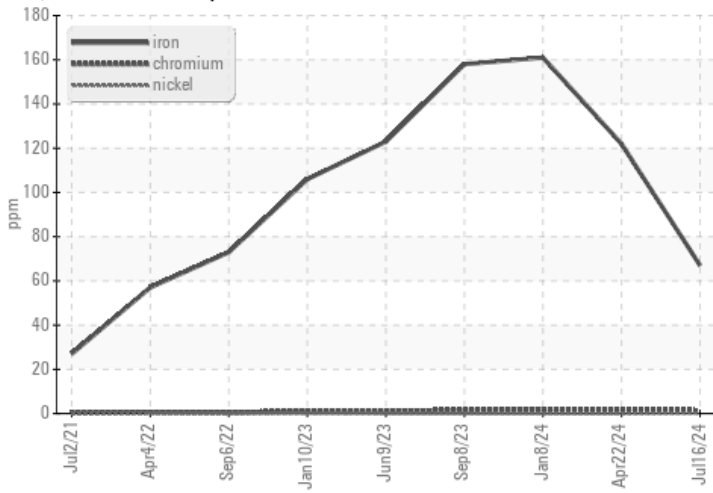
We recommend an early resample to monitor this condition. Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.

Depot: AMI116SUR
Unique No: 5814262
Signed: Kevin Marson
Report Date: 19 Jul 2024

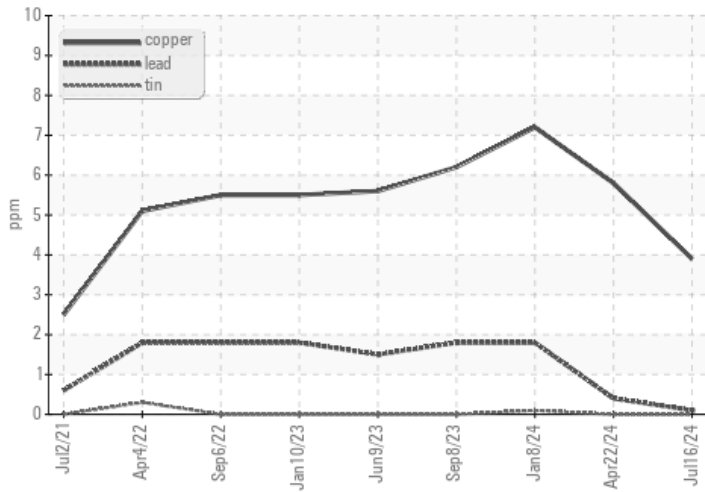


Graphs

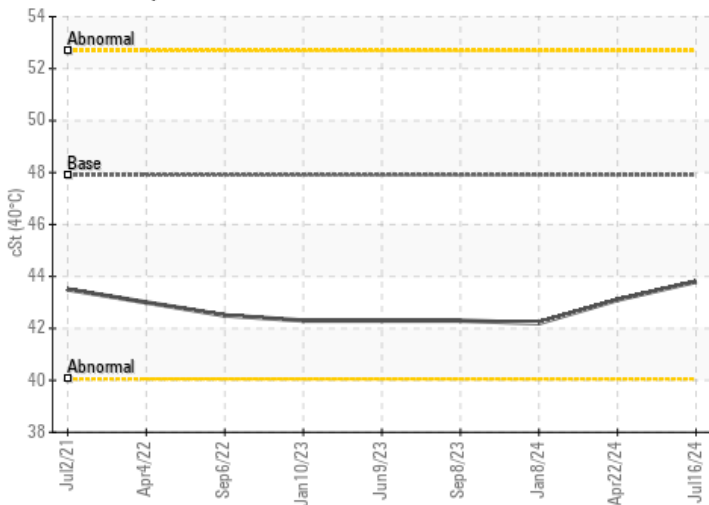
● Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

