LIEBHERR
CONSTRUCTION EQUIPMENT

[UNASSIGNED [50240980]] LIEBHERR PR726 28532 - Hydrauli

Sample No: LH0269798

Oil Type: LIEBHERR HYDRAULIC BASIC 100

LIEBHERR CANADA LTD.
10374 267 ST.
ACHESON, AB
CA T7X 6A2
Contact: Dustin Fluet
dustin.fluet@liebherr.com
T: (780)962-6088
F: (780)962-6799

Sample Information

Sample Number		**LH0269798**	---	---	---
Sample Date		**12 Jun 2024**	---	---	---
Machine Hours		**19**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Not Changd**	---	---	---
Sample Status		**SEVERE**	---	---	---

Oil Condition

Visc @ 40°C	cSt	**47.0**	---	---	---

Contamination

Water	%	**NEG**	---	---	---
Particles >4µm		**314456**	---	---	---
Particles >6µm		**36163**	---	---	---
Particles >14µm		**471**	---	---	---
ISO 4406:1999 (c)		**25/22/16**	---	---	---
Silicon	ppm	**5**	---	---	---
Sodium	ppm	**2**	---	---	---
Potassium	ppm	**2**	---	---	---

Wear Metals

Iron	ppm	**4**	---	---	---
Copper	ppm	**4**	---	---	---
Lead	ppm	**0**	---	---	---
Tin	ppm	**0**	---	---	---
Aluminum	ppm	**<1**	---	---	---
Chromium	ppm	**<1**	---	---	---
Molybdenum	ppm	**0**	---	---	---
Nickel	ppm	**<1**	---	---	---
Titanium	ppm	**0**	---	---	---
Silver	ppm	**<1**	---	---	---
Manganese	ppm	**<1**	---	---	---
Vanadium	ppm	**0**	---	---	---

Additives

Calcium	ppm	**1144**	---	---	---
Magnesium	ppm	**5**	---	---	---
Zinc	ppm	**724**	---	---	---
Phosphorus	ppm	**627**	---	---	---
Barium	ppm	**<1**	---	---	---
Boron	ppm	**<1**	---	---	---

Diagnosis

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. Viscosity of sample indicates oil is within SAE 10W range, advise investigate. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Depot: LIESPR
Unique No: 5800150
Signed: Kevin Marson
Report Date: 19 Jun 2024

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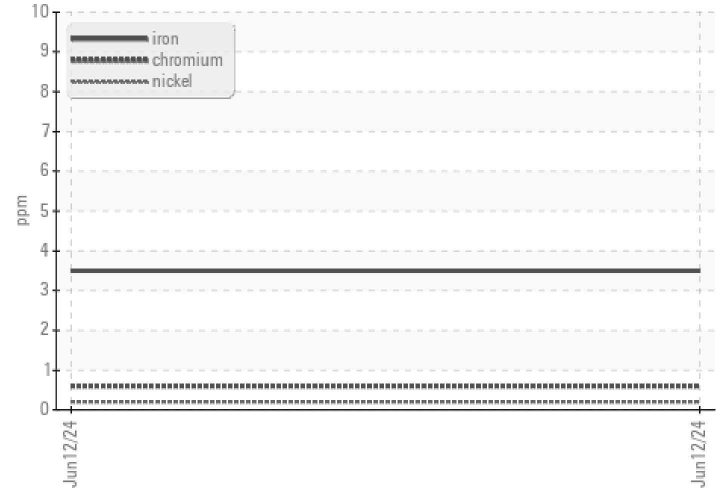
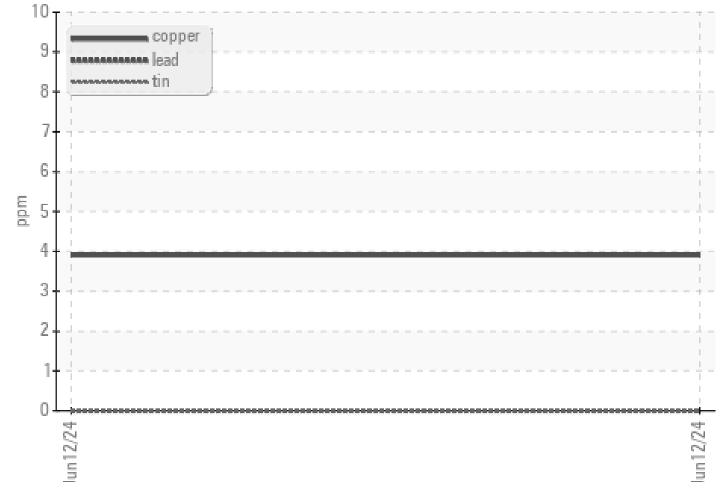
Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

Particle Count