



NISSAN PF90N AU29D50035 - Hydraulic System

Sample No: LHMC121708

Oil Type: {unknown}



Sample Information

Sample Number	LHMC121708	---	---	---
Sample Date	18 Apr 2024	---	---	---
Machine Hours	100	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

LIFT TRUCK SERVICE

12829 INTERSTATE 30

LITTLE ROCK, AR

US 72209

Contact: MICHELE COPLIN

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Oil Condition

Visc @ 40°C	cSt	● 34.0	---	---	---
Acid Number (AN)	mg KOH/g	● 0.75	---	---	---



Contamination

Water	%	● 0.211	---	---	---
Silicon	ppm	● 2	---	---	---
Sodium	ppm	● 0	---	---	---
Potassium	ppm	● 3	---	---	---



Wear Metals

Iron	ppm	● <1	---	---	---
Copper	ppm	● 33	---	---	---
Lead	ppm	● 4	---	---	---
Tin	ppm	● 1	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 2	---	---	---
Nickel	ppm	● 1	---	---	---
Titanium	ppm	● <1	---	---	---
Silver	ppm	● <1	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	● <1	---	---	---



Additives

Calcium	ppm	● 97	---	---	---
Magnesium	ppm	● 3	---	---	---
Zinc	ppm	● 35	---	---	---
Phosphorus	ppm	● 479	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● 2	---	---	---

Diagnosis

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. There is a high amount of visible silt present in the sample. There is a light concentration of water present in the oil. Excessive free water present. The AN level is acceptable for this fluid.

Depot: LIFLIT

Unique No: 10995196

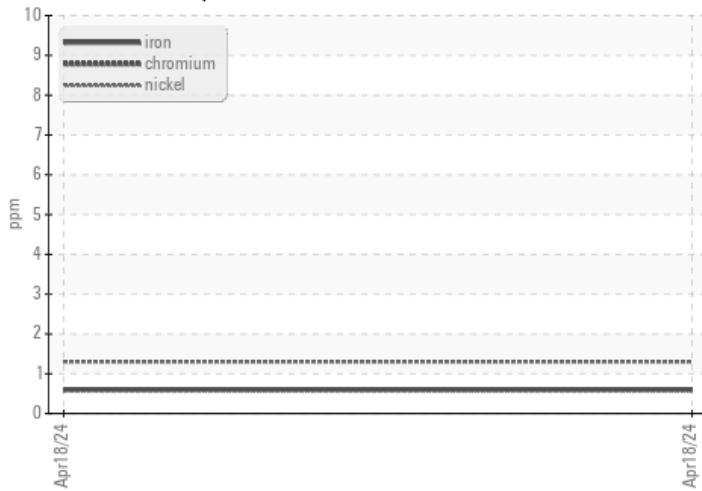
Signed: Don Baldrige

Report Date: 26 Apr 2024

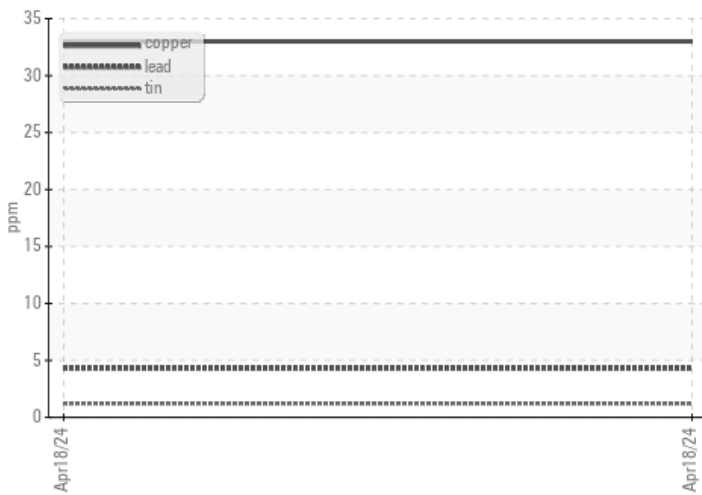


Graphs

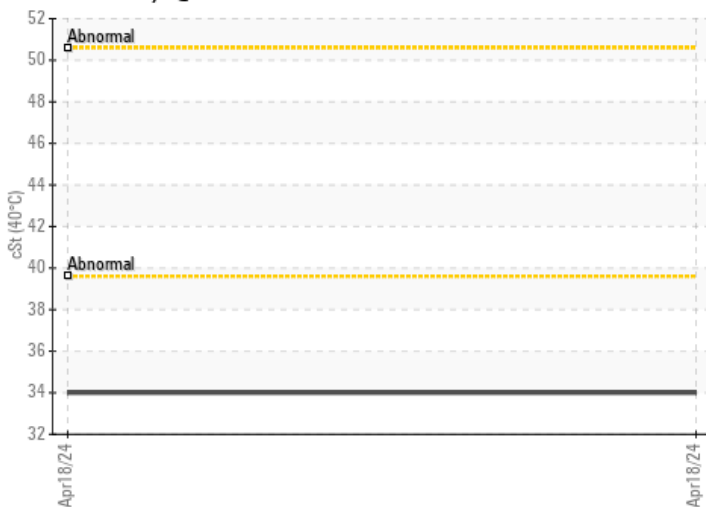
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

