

LIEBHERR

CONSTRUCTION EQUIPMENT



LINKBELT N8X1001 - Diesel Engine

Sample No: LH0267653

Oil Type: DIESEL ENGINE OIL SAE 15W40



SAMPLE INFORMATION

Sample Number	LH0267653	---	---	---
Sample Date	03 Oct 2023	---	---	---
Machine Hours	19078	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	10.9	---	---	---
Base Number (BN)	mg KOH/g	8.7	---	---	---
Oxidation (PA)	%	64	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Soot %	%	0.2	---	---	---
Nitration (PA)	%	56	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.2	---	---	---
Silicon	ppm	4	---	---	---
Sodium	ppm	5	---	---	---
Potassium	ppm	<1	---	---	---



WEAR METALS

Iron	ppm	8	---	---	---
Copper	ppm	<1	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	55	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

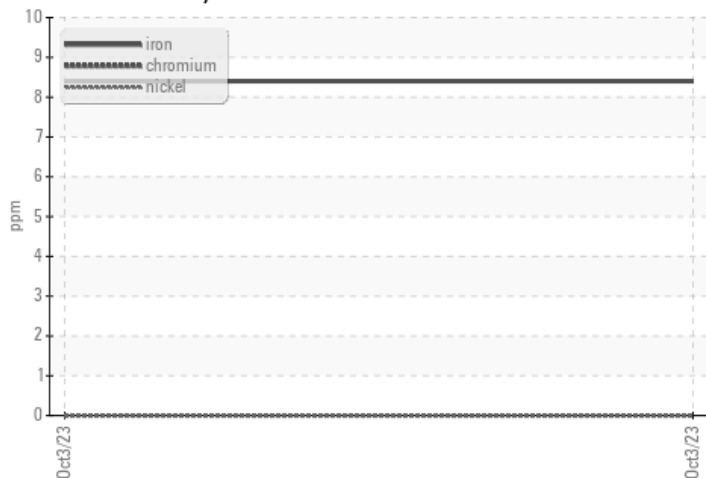
Calcium	ppm	1221	---	---	---
Magnesium	ppm	705	---	---	---
Zinc	ppm	883	---	---	---
Phosphorus	ppm	745	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	58	---	---	---

Depot: CHICHILH
Unique No: 10700755
Signed: Angela Borella
Report Date: 20 Oct 2023

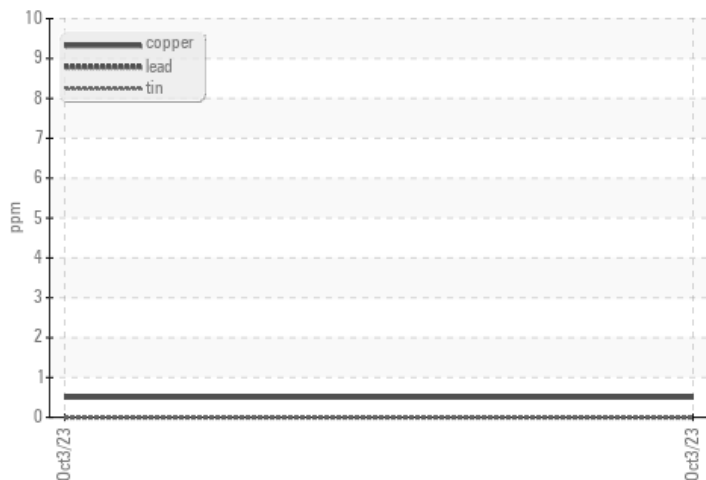


GRAPHS

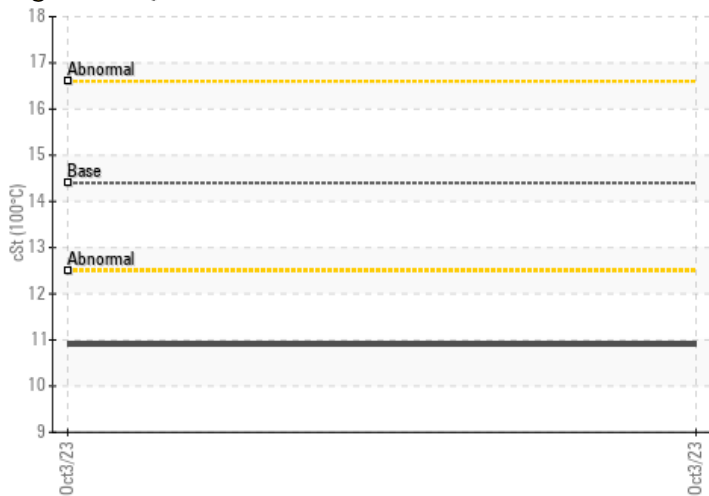
Ferrous Alloys



Non-ferrous Metals



● Viscosity @ 100°C



Base Number

