

LIEBHERR

CONSTRUCTION EQUIPMENT



[[BALL CONTRACTORS]] CATERPILLAR 3126 - Starboard Diese

Sample No: LH0267317

Oil Type: SAE 30W



SAMPLE INFORMATION

Sample Number	LH0267317	---	---	---
Sample Date	28 Dec 2023	---	---	---
Machine Hours	2100	---	---	---
Oil Hours	150	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR EQUIPMENT SOURCE

10119 RESIDENCY ROAD
 MANASSAS, VA
 US 20110
 Contact: TOM HEINEY
 tom.heiney@liebherr.com
 T: (703)392-0111
 F: (703)331-5604



OIL CONDITION

Visc @ 100°C	cSt	10.2	---	---	---
Base Number (BN)	mg KOH/g	7.2	---	---	---
Oxidation (PA)	%	36	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.2	---	---	---
Nitration (PA)	%	48	---	---	---
Sulfation (PA)	%	46	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	4	---	---	---
Sodium	ppm	<1	---	---	---
Potassium	ppm	0	---	---	---



WEAR METALS

Iron	ppm	22	---	---	---
Copper	ppm	19	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	34	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

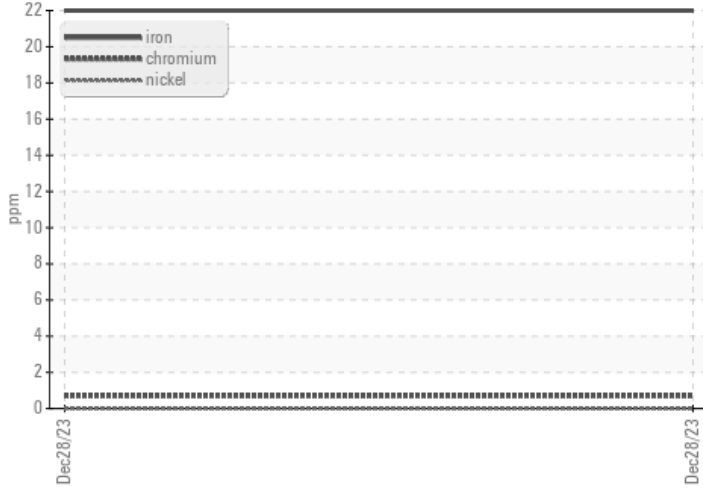
Calcium	ppm	2308	---	---	---
Magnesium	ppm	92	---	---	---
Zinc	ppm	1168	---	---	---
Phosphorus	ppm	986	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	22	---	---	---

Depot: LIEBHERRVA
 Unique No: 10831433
 Signed: Don Baldrige
 Report Date: 16 Jan 2024

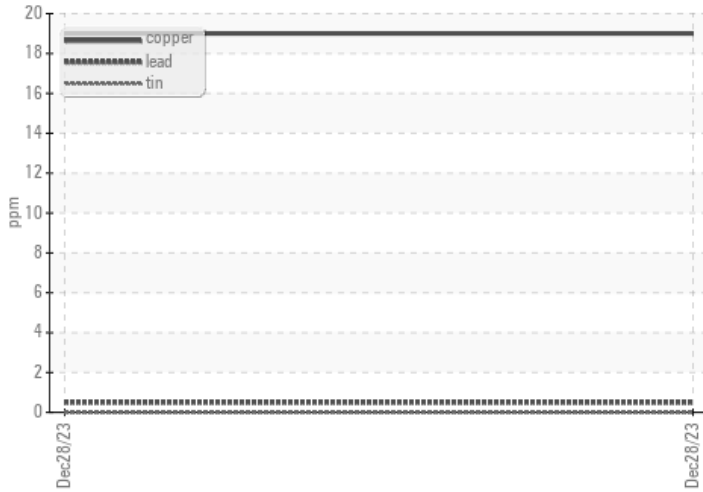


GRAPHS

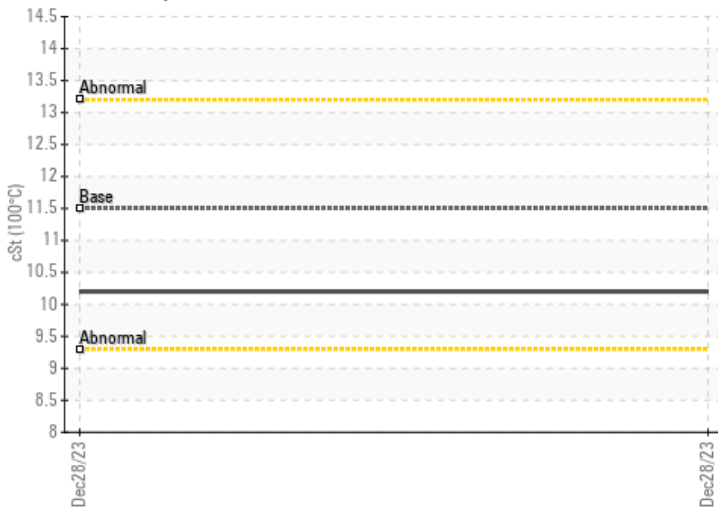
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

