

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR PR726LGP 019191-1331 - Diesel Engine

Sample No: LH0257442

Oil Type: LIEBHERR MOTOROIL 5W-30 LOW ASH



LIEBHERR EQUIPMENT SOURCE
 8200 FAYETTEVILLE ROAD
 RALEIGH, NC
 US 27603
 Contact: TRAVIS EGAN
 travis.egan@liebherr.com
 T:
 F: (919)329-0084



SAMPLE INFORMATION

Sample Number	LH0257442	LH0220442	---	---
Sample Date	11 Jul 2023	14 Apr 2022	---	---
Machine Hours	2092	1024	---	---
Oil Hours	500	500	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	11.2	11.3	---	---
Base Number (BN)	mg KOH/g	5.7	6.3	---	---
Oxidation (PA)	%	69	99	---	---



CONTAMINATION

Soot %	%	0.2	0.1	---	---
Nitration (PA)	%	88	98	---	---
Sulfation (PA)	%	63	72	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	7	7	---	---
Sodium	ppm	5	1	---	---
Potassium	ppm	6	2	---	---



WEAR METALS

Iron	ppm	8	10	---	---
Copper	ppm	5	110	---	---
Lead	ppm	3	5	---	---
Tin	ppm	<1	1	---	---
Aluminum	ppm	2	1	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	<1	6	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1320	1787	---	---
Magnesium	ppm	720	640	---	---
Zinc	ppm	803	824	---	---
Phosphorus	ppm	694	732	---	---
Barium	ppm	0	3	---	---
Boron	ppm	40	43	---	---

Diagnosis

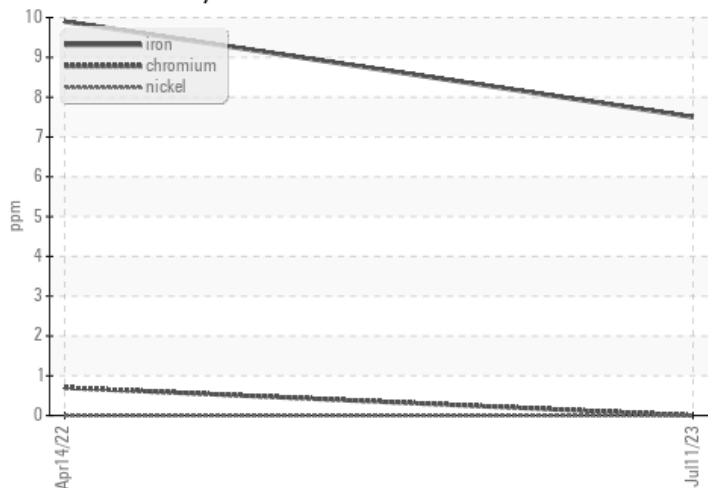
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: LIEBHERRNC
 Unique No: 10552990
 Signed: Wes Davis
 Report Date: 13 Jul 2023

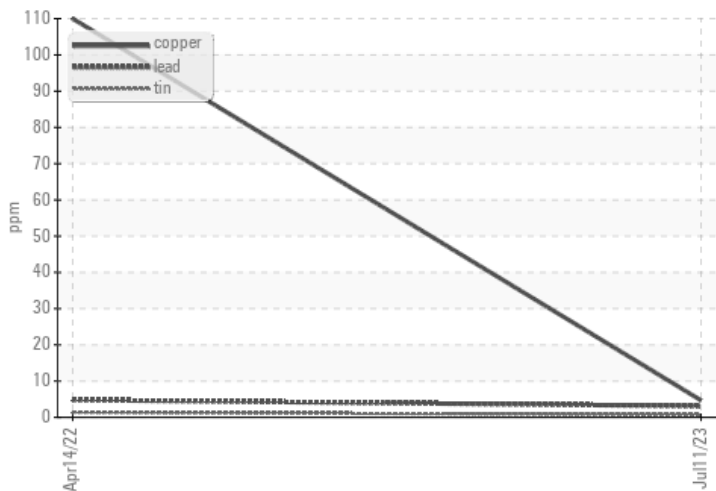


GRAPHS

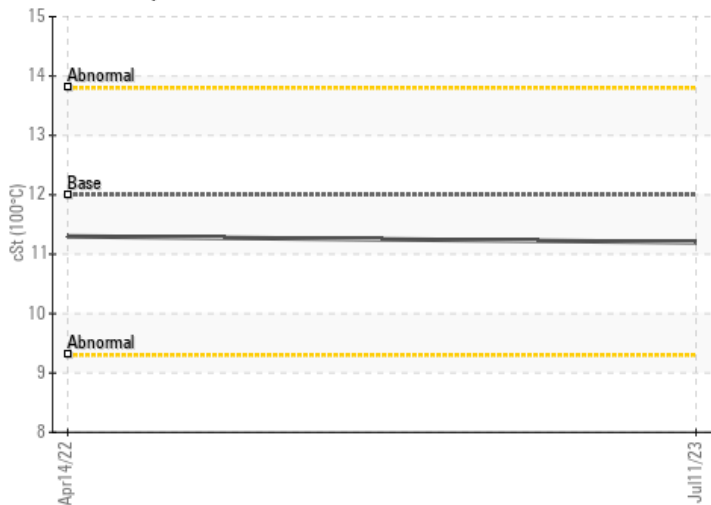
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

