

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 1253-123497 - Diesel Engine

Sample No: LH0272906

Oil Type: PETRO CANADA DURON UHP 5W30



SPARTAN RECYCLING
 3071 HOWARD ST
 SPARTANBURG, SC
 US 29303
 Contact: SERVICE MANAGER

T:
 F:



SAMPLE INFORMATION

Sample Number	LH0272906	LH0258294	LH0212306	---
Sample Date	11 Jan 2024	16 Aug 2023	30 Dec 2021	---
Machine Hours	4554	3960	981	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---



OIL CONDITION

Visc @ 100°C	cSt	11.2	11.1	11.2	---
Base Number (BN)	mg KOH/g	7.2	9.9	8.0	---
Oxidation (PA)	%	81	69	99	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.1	0.1	0.1	---
Nitration (PA)	%	76	58	87	---
Sulfation (PA)	%	52	47	66	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	5	7	7	---
Sodium	ppm	0	<1	4	---
Potassium	ppm	0	<1	0	---



WEAR METALS

Iron	ppm	3	2	6	---
Copper	ppm	2	<1	249	---
Lead	ppm	0	0	3	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	1	<1	1	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	41	45	58	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	0	<1	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	1324	1348	911	---
Magnesium	ppm	841	898	1066	---
Zinc	ppm	863	861	1235	---
Phosphorus	ppm	695	715	983	---
Barium	ppm	0	0	<1	---
Boron	ppm	98	137	37	---

Diagnosis

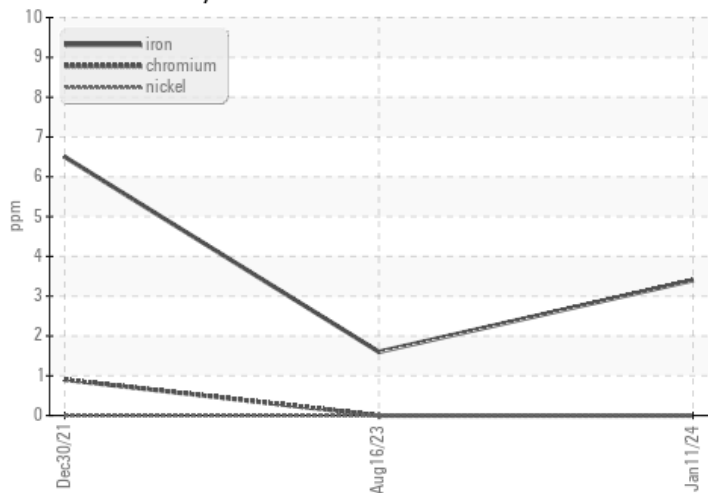
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: SPASPALH
 Unique No: 10833844
 Signed: Wes Davis
 Report Date: 18 Jan 2024

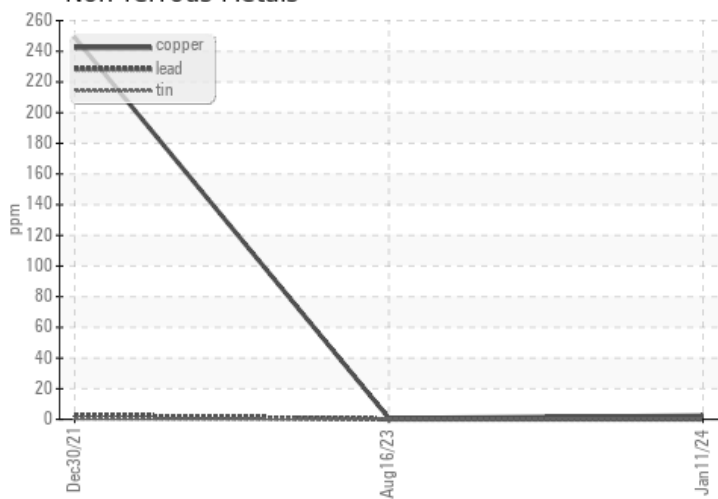


GRAPHS

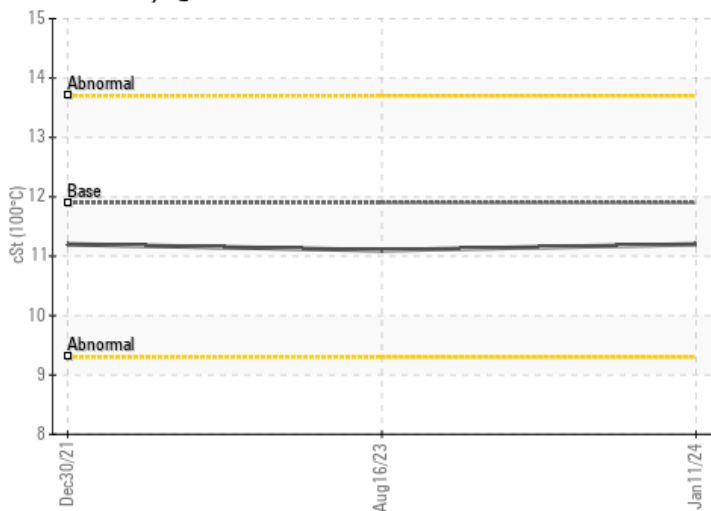
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

