

LIEBHERR

CONSTRUCTION EQUIPMENT



[(351064)] 122398-1216 - Diesel Engine

Sample No: LH0281254

Oil Type: PETRO CANADA SUPREME 5W30



SAMPLE INFORMATION

Sample Number	LH0281254	LH0276908	LH0202595	---
Sample Date	07 Feb 2024	31 Oct 2023	20 Oct 2021	---
Machine Hours	5387	5000	584	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

American Iron and Metal

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Hamilton, ON
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OIL CONDITION

Visc @ 100°C	cSt	11.8	12.8	11.3	---
Oxidation (PA)	%	77	70	196	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0	0	0	---
Nitration (PA)	%	78	76	92	---
Sulfation (PA)	%	56	55	111	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	0.9	---
Silicon	ppm	6	6	11	---
Sodium	ppm	4	2	3	---
Potassium	ppm	<1	<1	5	---

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	6	4	19	---
Copper	ppm	2	2	158	---
Lead	ppm	<1	2	10	---
Tin	ppm	0	<1	2	---
Aluminum	ppm	2	1	2	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	55	59	45	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	0	0	2	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	848	1049	1323	---
Magnesium	ppm	1079	994	923	---
Zinc	ppm	1170	1206	803	---
Phosphorus	ppm	1035	1030	625	---
Barium	ppm	0	0	28	---
Boron	ppm	29	2	70	---

Depot: AMEHAM
Unique No: 5736298
Signed: Wes Davis
Report Date: 01 Mar 2024



GRAPHS

