

LIEBHERR

CONSTRUCTION EQUIPMENT



[PRO CAISSONS [601832]] LIEBHERR LB35 T15695 - Diesel Eng

Sample No: LH0286714

Oil Type: PETRO CANADA SUPREME 5W30



SAMPLE INFORMATION

Sample Number	LH0286714	LH0222281	LH0224651	---
Sample Date	06 Mar 2024	28 Sep 2022	08 Feb 2022	---
Machine Hours	2047	1051	614	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	12.2	13.9	12.4	---
Oxidation (PA)	%	105	75	198	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.1	0	0	---
Nitration (PA)	%	97	66	101	---
Sulfation (PA)	%	69	59	112	---
Glycol	%	0.0	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	6	5	7	---
Sodium	ppm	4	1	2	---
Potassium	ppm	31	25	82	---

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	18	7	19	---
Copper	ppm	34	20	102	---
Lead	ppm	2	1	6	---
Tin	ppm	<1	<1	2	---
Aluminum	ppm	8	8	24	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	62	57	47	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	<1	0	---
Silver	ppm	<1	<1	<1	---
Manganese	ppm	<1	<1	4	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	879	1093	1315	---
Magnesium	ppm	1099	969	964	---
Zinc	ppm	1150	1170	858	---
Phosphorus	ppm	939	1056	707	---
Barium	ppm	<1	2	16	---
Boron	ppm	16	5	67	---

Depot: LIEMIS
 Unique No: 5737905
 Signed: Kevin Marson
 Report Date: 11 Mar 2024



GRAPHS

