

LIEBHERR

CONSTRUCTION EQUIPMENT



[[601598-10240867]] LIEBHERR LH30M T12545-1253 - Diesel

Sample No: LH0274831
 Oil Type: DIESEL ENGINE OIL SAE 30



SAMPLE INFORMATION

Sample Number	LH0274831	LH	LH0270116	LH0261585
Sample Date	04 Mar 2024	07 Dec 2023	27 Sep 2023	08 May 2023
Machine Hours	0	13530	1297	11758
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

GREEN METALS CANADA

224 BEARDS LANE
 WOODSTOCK, ON
 CA N4S 7W3
 Contact: Jamie Depotie
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OIL CONDITION

Visc @ 100°C	cSt	12.6	12.5	12.4	12.4
Oxidation (PA)	%	67	71	71	67



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	70	74	75	72
Sulfation (PA)	%	52	54	55	53
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	7	7	6
Sodium	ppm	1	2	2	1
Potassium	ppm	1	0	0	0

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	3	3	3	2
Copper	ppm	1	1	1	1
Lead	ppm	<1	1	2	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	1	<1	<1	1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	58	59	61	60
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	<1	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1106	1189	1085	1138
Magnesium	ppm	982	949	1009	968
Zinc	ppm	1199	1209	1233	1208
Phosphorus	ppm	1018	984	1027	1073
Barium	ppm	0	<1	<1	0
Boron	ppm	4	3	3	3

Depot: GRE224WOO
 Unique No: 5737529
 Signed: Wes Davis
 Report Date: 07 Mar 2024



GRAPHS

