

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L526 051780-1558 - Diesel Engine

Sample No: LH0274538

Oil Type: DIESEL ENGINE OIL SAE 30



SAMPLE INFORMATION

Sample Number	LH0274538	LH	LH	LH
Sample Date	29 Aug 2023	07 Feb 2022	25 Mar 2021	02 Nov 2020
Machine Hours	3031	1837	1252	817
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	MARGINAL	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	12.3	12.1	12.1	11.3
Oxidation (PA)	%	70	27	67	80



CONTAMINATION

Soot %	%	0.4	0	0.2	0.4
Nitration (PA)	%	89	37	86	89
Sulfation (PA)	%	60	37	55	61
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	2.5	1.4
Silicon	ppm	4	3	3	4
Sodium	ppm	3	2	3	4
Potassium	ppm	1	<1	<1	1



WEAR METALS

Iron	ppm	24	18	18	23
Copper	ppm	9	9	19	89
Lead	ppm	2	1	2	4
Tin	ppm	<1	<1	<1	1
Aluminum	ppm	4	3	3	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	59	57	60	75
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1090	1063	1014	886
Magnesium	ppm	915	948	977	1121
Zinc	ppm	1154	1194	1244	1289
Phosphorus	ppm	931	973	988	1010
Barium	ppm	0	0	<1	<1
Boron	ppm	5	3	7	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 condition of the oil is acceptable for the time in service.

Depot: GRE224WOO
Unique No: 5632373
Signed: Wes Davis
Report Date: 30 Aug 2023



GRAPHS

