

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 066027-1760 - Diesel Engine

Sample No: LH0225615

Oil Type: DIESEL ENGINE OIL SAE 30



Sample Information

Sample Number	LH0225615	LH0225604	LH0225596	LH0225585
Sample Date	09 Mar 2024	11 Jul 2023	17 Mar 2023	09 Jan 2023
Machine Hours	3888	2652	1969	962
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL

GENERAL RECYCLING INDUSTRIES LTD.
 4120 - 84 AVENUE NW
 EDMONTON, AB
 CA T6B 3H3
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Oil Condition

Visc @ 100°C	cSt	11.1	10.9	10.7	11.4
Oxidation (PA)	%	63	66	69	80



Contamination

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	54	58	66	55
Sulfation (PA)	%	53	57	57	64
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	1.3	2.2	2.3	1.5
Silicon	ppm	2	3	4	6
Sodium	ppm	2	2	2	1
Potassium	ppm	<1	<1	<1	0

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 30. Please confirm. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.



Wear Metals

Iron	ppm	4	6	8	4
Copper	ppm	4	38	130	6
Lead	ppm	<1	2	5	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	<1	<1	<1	1
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	57	57	56	54
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	1042	1021	1048	1148
Magnesium	ppm	972	953	950	935
Zinc	ppm	1175	1174	1185	1142
Phosphorus	ppm	1004	1063	1058	1063
Barium	ppm	<1	<1	1	2
Boron	ppm	1	2	3	15

Depot: GEN156EDM
Unique No: 5776358
Signed: Wes Davis
Report Date: 15 May 2024



Graphs

