

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 053616-1464 - Diesel Engine

Sample No: LH0286618

Oil Type: PETRO CANADA DURON UHP 5W30



Sample Information

Sample Number	LH0286618	LH0278374	LH0260025	LH0260249
Sample Date	22 Mar 2024	26 Nov 2023	18 Aug 2023	01 Jun 2023
Machine Hours	9582	8998	8483	7980
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Quality Concrete Inc.
 35 Lafarge Lane
 Folly Lake, NS
 CA B0M 1M0
 Contact: Service Manager



Oil Condition

Visc @ 100°C	cSt	11.1	11.4	11.5	11.5
Oxidation (PA)	%	76	76	77	72

T:
F:



Contamination

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	83	78	78	71
Sulfation (PA)	%	55	56	60	55
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	10	8	14
Sodium	ppm	4	4	6	14
Potassium	ppm	<1	<1	<1	2

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	4	7	12	7
Copper	ppm	1	2	2	3
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	1	1	1	2
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	58	56	55	65
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	<1	0	<1
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	802	799	818	867
Magnesium	ppm	1088	1092	1118	1159
Zinc	ppm	1168	1183	1208	1223
Phosphorus	ppm	985	959	1078	1091
Barium	ppm	0	<1	0	0
Boron	ppm	34	25	26	42

Depot: QUAFOL
 Unique No: 5760037
 Signed: Wes Davis
 Report Date: 05 Apr 2024



Graphs

