

LIEBHERR

CONSTRUCTION EQUIPMENT



[(363878)] LIEBHERR L556 0657 24-1826 - Diesel Engine

Sample No: LH0260822

Oil Type: PETRO CANADA 10W40



SAMPLE INFORMATION

Sample Number	LH0260822	LH	GFL	LH0270050
Sample Date	13 Dec 2023	20 Oct 2023	19 Sep 2023	07 Aug 2023
Machine Hours	9673	8903	8467	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

CGC DIVISION GYPSUM
7200 RUE NOTRE-DAME EST
MONTREAL, QC
CA H1N 3L6
Contact: YVES CHEVALIER



OIL CONDITION

Visc @ 100°C	cSt	11.8	13.8	13.8	13.8
Oxidation (PA)	%	82	59	59	60

T: (514)255-4061
F: (514)255-6075



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	80	58	58	59
Sulfation (PA)	%	57	50	50	52
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	1.9	<1.0	<1.0	<1.0
Silicon	ppm	6	6	6	6
Sodium	ppm	4	2	2	1
Potassium	ppm	0	0	3	<1

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. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	4	3	2	3
Copper	ppm	1	1	2	2
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	1	1	<1
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	57	65	58	58
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	<1	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	886	1219	1051	1044
Magnesium	ppm	1110	1100	959	991
Zinc	ppm	1244	1370	1185	1210
Phosphorus	ppm	1025	1116	976	1066
Barium	ppm	<1	<1	0	0
Boron	ppm	28	1	1	2

Depot: CAN720MON
Unique No: 5696824
Signed: Kevin Marson
Report Date: 20 Dec 2023



GRAPHS

