

LIEBHERR

CONSTRUCTION EQUIPMENT



[(336305)] LIEBHERR L566 057382-1332 - Diesel Engine

Sample No: LH

Oil Type: PETRO CANADA DURON UHP 5W30



SAMPLE INFORMATION

Sample Number	LH	LH	LH0270044	LH
Sample Date	19 Dec 2023	13 Sep 2023	07 Aug 2023	09 May 2023
Machine Hours	5600	5000	4851	4400
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	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	13.1	14.3	14.0	13.8
Oxidation (PA)	%	63	53	58	61

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



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	69	43	57	60
Sulfation (PA)	%	50	49	52	51
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	7	6	7
Sodium	ppm	1	1	2	2
Potassium	ppm	1	<1	1	<1

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	2	3	3
Copper	ppm	2	1	2	1
Lead	ppm	2	<1	1	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	1	<1	<1	1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	59	57	56	57
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	<1	0	<1
Silver	ppm	<1	0	<1	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1083	1035	1017	1078
Magnesium	ppm	985	957	963	976
Zinc	ppm	1195	1167	1160	1186
Phosphorus	ppm	1047	1067	1036	1079
Barium	ppm	0	0	0	0
Boron	ppm	<1	1	2	3

Depot: CAN720MON
Unique No: 5697995
Signed: Wes Davis
Report Date: 22 Dec 2023



GRAPHS

