

# 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	LH0270044	LH	LH0256092
Sample Date	13 Sep 2023	07 Aug 2023	09 May 2023	14 Apr 2023
Machine Hours	5000	4851	4400	3900
Oil Hours	0	0	0	0
Oil Changed	Changed	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	14.3	14.0	13.8	11.7
Oxidation (PA)	%	53	58	61	73

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



#### CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	43	57	60	78
Sulfation (PA)	%	49	52	51	54
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	6	7	7
Sodium	ppm	1	2	2	4
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. Viscosity of sample indicates oil is within SAE 40 range, advise investigate. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	2	3	3	4
Copper	ppm	1	2	1	1
Lead	ppm	<1	1	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	<1	<1	1	2
Chromium	ppm	0	0	0	0
Molybdenum	ppm	57	56	57	60
Nickel	ppm	0	0	<1	0
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	1035	1017	1078	886
Magnesium	ppm	957	963	976	1093
Zinc	ppm	1167	1160	1186	1205
Phosphorus	ppm	1067	1036	1079	1074
Barium	ppm	0	0	0	0
Boron	ppm	1	2	3	36

Depot: CAN720MON  
Unique No: 5643755  
Signed: Kevin Marson  
Report Date: 15 Sep 2023



### GRAPHS

