

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0270044

Oil Type: PETRO CANADA DURON UHP 5W30



SAMPLE INFORMATION

Sample Number	LH0270044	LH	LH0256092	LH0250775
Sample Date	07 Aug 2023	09 May 2023	14 Apr 2023	02 Feb 2023
Machine Hours	4851	4400	3900	3579
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	14.0	13.8	11.7	13.4
Oxidation (PA)	%	58	61	73	67

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



CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	57	60	78	74
Sulfation (PA)	%	52	51	54	55
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	7	7	7
Sodium	ppm	2	2	4	1
Potassium	ppm	1	<1	1	2

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. 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	3	4	4
Copper	ppm	2	1	1	2
Lead	ppm	1	<1	<1	1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	<1	1	2	2
Chromium	ppm	0	0	0	0
Molybdenum	ppm	56	57	60	58
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1017	1078	886	1099
Magnesium	ppm	963	976	1093	970
Zinc	ppm	1160	1186	1205	1200
Phosphorus	ppm	1036	1079	1074	1086
Barium	ppm	0	0	0	0
Boron	ppm	2	3	36	<1

Depot: CAN720MON
 Unique No: 5619816
 Signed: Wes Davis
 Report Date: 09 Aug 2023



GRAPHS

