

LIEBHERR

CONSTRUCTION EQUIPMENT



[(363878)] LIEBHERR L556 065724-1826 - Diesel Engine

Sample No: LH0279064

Oil Type: PETRO CANADA DURON UHP 5W30



SAMPLE INFORMATION

Sample Number	LH0279064	LH0260822	LH	GFL
Sample Date	24 Jan 2024	13 Dec 2023	20 Oct 2023	19 Sep 2023
Machine Hours	10322	9673	8903	8467
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

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



OIL CONDITION

Visc @ 100°C	cSt	11.6	11.8	13.8	13.8
Oxidation (PA)	%	81	82	59	59

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



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	80	80	58	58
Sulfation (PA)	%	56	57	50	50
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	1.9	<1.0	<1.0
Silicon	ppm	6	6	6	6
Sodium	ppm	4	4	2	2
Potassium	ppm	<1	0	0	3

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	4	3	2
Copper	ppm	<1	1	1	2
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	<1	1	1
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	59	57	65	58
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	<1
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	842	886	1219	1051
Magnesium	ppm	1115	1110	1100	959
Zinc	ppm	1219	1244	1370	1185
Phosphorus	ppm	1040	1025	1116	976
Barium	ppm	0	<1	<1	0
Boron	ppm	32	28	1	1

Depot: CAN720MON
Unique No: 5720479
Signed: Wes Davis
Report Date: 26 Jan 2024



GRAPHS

