

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0270050

Oil Type: PETRO CANADA DURON UHP 5W30



SAMPLE INFORMATION

Sample Number	LH0270050	LH0260962	LH0256453	LH0251241
Sample Date	07 Aug 2023	23 Jun 2023	05 Apr 2023	08 Mar 2023
Machine Hours	0	7410	6639	6115
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	13.8	13.9	11.5	11.7
Oxidation (PA)	%	60	58	78	81

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



CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	59	55	80	82
Sulfation (PA)	%	52	50	62	62
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	6	9	7
Sodium	ppm	1	1	5	4
Potassium	ppm	<1	0	<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	<1	<1
Lead	ppm	<1	<1	0	0
Tin	ppm	<1	0	<1	0
Aluminum	ppm	<1	<1	1	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	58	57	64	61
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1044	1081	880	862
Magnesium	ppm	991	964	1142	1114
Zinc	ppm	1210	1199	1213	1206
Phosphorus	ppm	1066	1065	1107	1081
Barium	ppm	0	0	0	0
Boron	ppm	2	2	34	31

Depot: CAN720MON
Unique No: 5620153
Signed: Wes Davis
Report Date: 10 Aug 2023



GRAPHS

