

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0260962

Oil Type: PETRO CANADA DURON UHP 5W30



SAMPLE INFORMATION

Sample Number	LH0260962	LH0256453	LH0251241	LH0250814
Sample Date	23 Jun 2023	05 Apr 2023	08 Mar 2023	07 Feb 2023
Machine Hours	7410	6639	6115	5518
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	13.9	11.5	11.7	12.2
Oxidation (PA)	%	58	78	81	78

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



CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	55	80	82	78
Sulfation (PA)	%	50	62	62	59
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	9	7	8
Sodium	ppm	1	5	4	4
Potassium	ppm	0	<1	<1	0

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	3
Copper	ppm	1	<1	<1	<1
Lead	ppm	<1	0	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	1	1	<1
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	57	64	61	58
Nickel	ppm	<1	0	<1	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1081	880	862	876
Magnesium	ppm	964	1142	1114	1075
Zinc	ppm	1199	1213	1206	1215
Phosphorus	ppm	1065	1107	1081	1092
Barium	ppm	0	0	0	0
Boron	ppm	2	34	31	33

Depot: CAN720MON
Unique No: 5604254
Signed: Kevin Marson
Report Date: 29 Jun 2023



GRAPHS

