

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH

Oil Type: PETRO CANADA DURON UHP 5W30



SAMPLE INFORMATION

Sample Number	LH	GFL	LH0270050	LH0260962
Sample Date	20 Oct 2023	19 Sep 2023	07 Aug 2023	23 Jun 2023
Machine Hours	8903	8467	0	7410
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	13.8	13.8	13.9
Oxidation (PA)	%	59	59	60	58

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



CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	58	58	59	55
Sulfation (PA)	%	50	50	52	50
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	6	6	6
Sodium	ppm	2	2	1	1
Potassium	ppm	0	3	<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	3	2	3	2
Copper	ppm	1	2	2	1
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	1	1	<1	<1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	65	58	58	57
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1219	1051	1044	1081
Magnesium	ppm	1100	959	991	964
Zinc	ppm	1370	1185	1210	1199
Phosphorus	ppm	1116	976	1066	1065
Barium	ppm	<1	0	0	0
Boron	ppm	1	1	2	2

Depot: CAN720MON
 Unique No: 5669967
 Signed: Kevin Marson
 Report Date: 31 Oct 2023



GRAPHS

