

LIEBHERR

CONSTRUCTION EQUIPMENT



[(340260)] LIEBHERR LH40C 127925-1527 - Diesel Engine

Sample No: LH0270151

Oil Type: PETRO CANADA DURON UHP E6 10W40



SAMPLE INFORMATION

Sample Number	LH0270151	LH0251578	LH0251901	LH0242650
Sample Date	27 Sep 2023	05 Apr 2023	12 Jan 2023	05 Oct 2022
Machine Hours	6592	5459	4907	4272
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

CANADA IRON AND METAL CO. LTD.
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OIL CONDITION

Visc @ 100°C	cSt	13.4	13.4	13.4	13.8
Oxidation (PA)	%	68	64	69	76



CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	68	68	70	66
Sulfation (PA)	%	53	59	56	61
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	6	7	5
Sodium	ppm	2	1	2	2
Potassium	ppm	0	0	0	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. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	3	3	3	3
Copper	ppm	2	2	2	3
Lead	ppm	1	<1	<1	1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	<1	1	1	1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	59	59	56	52
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1055	1127	1086	912
Magnesium	ppm	974	944	943	887
Zinc	ppm	1200	1169	1169	1033
Phosphorus	ppm	997	1068	1057	1074
Barium	ppm	<1	0	0	<1
Boron	ppm	3	5	4	17

Depot: CAN353TOR
 Unique No: 5654895
 Signed: Wes Davis
 Report Date: 28 Sep 2023



GRAPHS

