

LIEBHERR

CONSTRUCTION EQUIPMENT



[(348096)] LIEBHERR PR726LGP 020704-1331 - Diesel Engine

Sample No: LH0274837

Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH0274837	LH0239250	LH0230753	LH0224713
Sample Date	12 Oct 2023	16 Sep 2022	17 Jun 2022	24 Feb 2022
Machine Hours	4054	2484	1992	1510
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

MCCANN RED-MIX INC.
 R.R. #3,, 69478 BRONSON LINE
 DASHWOOD, ON
 CA N0M 1N0
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OIL CONDITION

Visc @ 100°C	cSt	11.5	11.5	13.4	11.6
Oxidation (PA)	%	81	82	79	32



CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	87	85	87	37
Sulfation (PA)	%	59	61	63	40
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	1.1	<1.0	<1.0	1
Silicon	ppm	8	8	9	8
Sodium	ppm	4	5	4	4
Potassium	ppm	<1	<1	1	<1

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	7	5	7	6
Copper	ppm	3	4	7	16
Lead	ppm	<1	<1	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	1	<1	1	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	59	58	59	59
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	<1	0	<1	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	867	865	879	835
Magnesium	ppm	1121	1127	1150	1202
Zinc	ppm	1246	1240	1282	1257
Phosphorus	ppm	1007	1103	1075	1098
Barium	ppm	<1	0	<1	<1
Boron	ppm	22	25	28	45

Depot: MCCDAS
 Unique No: 5657949
 Signed: Kevin Marson
 Report Date: 16 Oct 2023



GRAPHS

