

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 097459-1216 - Diesel Engine

Sample No: LH0250186

Oil Type: PETRO CANADA DURON UHP 5W30



SAMPLE INFORMATION

Sample Number	LH0250186	LH0238563	LH0230468	LH0230418
Sample Date	11 Jan 2023	24 Oct 2022	25 Jul 2022	05 May 2022
Machine Hours	24879	23665	0	22049
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

J.D. Irving

Truro Sawmill, 529 Valley Dale Road
Truro, NS
CA B2N 5C5
Contact: Sheldon Richardson
richardson.sheldon@jdirving.com
T: (902)890-9419
F:



OIL CONDITION

Visc @ 100°C	cSt	11.6	12.5	12.6	12.6
Oxidation (PA)	%	86	78	77	81



CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	89	91	87	88
Sulfation (PA)	%	62	59	57	64
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	6	6	9
Sodium	ppm	5	3	4	4
Potassium	ppm	<1	0	<1	1



WEAR METALS

Iron	ppm	3	3	4	6
Copper	ppm	<1	1	1	1
Lead	ppm	0	<1	<1	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	2	2	2	2
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	59	38	37	40
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	877	1451	1428	1360
Magnesium	ppm	1119	712	687	769
Zinc	ppm	1246	1246	1234	1284
Phosphorus	ppm	1099	1119	1034	1090
Barium	ppm	0	0	0	0
Boron	ppm	25	25	31	28

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.

Depot: JDITRU
Unique No: 5525208
Signed: Wes Davis
Report Date: 30 Jan 2023



GRAPHS

