

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 110456-1216 - Splitter Box

Sample No: LH0277116

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



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SAMPLE INFORMATION

Sample Number	LH0277116	LH0234602	LH0250240	LH0246697
Sample Date	13 Oct 2023	01 Apr 2023	12 Jan 2023	15 Dec 2022
Machine Hours	17581	16012	15658	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	SEVERE



OIL CONDITION

Visc @ 40°C	cSt	81.7	84.9	82.7	107
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CONTAMINATION

Water	%	---	---	---	0.754
Silicon	ppm	2	2	3	10
Sodium	ppm	<1	<1	<1	2
Potassium	ppm	0	<1	<1	2



WEAR METALS

PQ		---	---	---	43
Iron	ppm	11	13	11	732
Copper	ppm	<1	<1	<1	203
Lead	ppm	<1	0	0	6
Tin	ppm	0	0	<1	16
Aluminum	ppm	<1	<1	<1	4
Chromium	ppm	0	0	0	4
Molybdenum	ppm	<1	<1	0	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	0	6
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	38	30	29	16
Magnesium	ppm	12	12	4	3
Zinc	ppm	184	127	134	40
Phosphorus	ppm	1108	1227	1271	1264
Barium	ppm	<1	0	0	4
Boron	ppm	247	277	278	81

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: JDITRU
Unique No: 5668207
Signed: Wes Davis
Report Date: 23 Oct 2023

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GRAPHS

