

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R936 040309-1148 - Swing Drive

Sample No: LH0221849

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0221849	LH0215078	LH0119398	LH0110781
Sample Date	10 Mar 2022	17 Nov 2021	07 May 2018	30 Aug 2017
Machine Hours	8718	8375	4983	3951
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	SEVERE	NORMAL	NORMAL

RICHMOND STEEL RECYCLING
 11760 MITCHELL ROAD
 RICHMOND, BC
 CA V6V 1V8
 Contact: Aaron Kaetler
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 T:
 F: (604)324-8617



OIL CONDITION

Visc @ 40°C	cSt	102	143	98.8	135
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CONTAMINATION

Water	%	---	1.636	---	---
Silicon	ppm	12	12	1	<1
Sodium	ppm	<1	16	7	7
Potassium	ppm	8	834	87	331



WEAR METALS

PQ		---	0	---	---
Iron	ppm	20	2799	205	99
Copper	ppm	2	354	60	37
Lead	ppm	<1	11	2	1
Tin	ppm	<1	6	<1	<1
Aluminum	ppm	0	2	0	0
Chromium	ppm	<1	33	3	2
Molybdenum	ppm	0	2	<1	<1
Nickel	ppm	<1	2	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	<1	0
Manganese	ppm	<1	23	2	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	14	108	29	46
Magnesium	ppm	1	6	1	0
Zinc	ppm	25	45	20	18
Phosphorus	ppm	1239	552	1088	434
Barium	ppm	0	0	0	0
Boron	ppm	257	668	32	220

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: RIC117RIC
 Unique No: 5372058
 Signed: Wes Davis
 Report Date: 23 Mar 2022

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GRAPHS

