

LIEBHERR

CONSTRUCTION EQUIPMENT



[WEST COAST METAL] LIEBHERR R924 041508 - Swing Drive

Sample No: LH0260414

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0260414	LH0260664	LH0238654	LH0238676
Sample Date	14 Sep 2023	19 Jul 2023	17 Nov 2022	18 Oct 2022
Machine Hours	13551	13316	12369	12262
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	SEVERE	ABNORMAL	ABNORMAL

West Coast Metal Recycling
 5771 Production Way
 Langley, BC
 CA V3A 4N5
 Contact: Terry .
 terry@gotmetal.ca
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	113	199	94.4	45.2
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CONTAMINATION

Water	%	---	---	---	0.407
Silicon	ppm	6	35	1	2
Sodium	ppm	<1	2	<1	2
Potassium	ppm	1	1	<1	<1



WEAR METALS

PQ		---	0	---	---
Iron	ppm	722	982	174	78
Copper	ppm	75	139	17	137
Lead	ppm	2	4	2	5
Tin	ppm	2	15	<1	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	8	10	1	2
Molybdenum	ppm	<1	1	<1	<1
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	5	8	1	<1
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	8	16	31	57
Magnesium	ppm	<1	1	1	2
Zinc	ppm	32	86	179	395
Phosphorus	ppm	1315	2110	1553	444
Barium	ppm	0	0	0	0
Boron	ppm	92	14	10	34

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: WES577LAN
 Unique No: 5645188
 Signed: Wes Davis
 Report Date: 21 Sep 2023

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GRAPHS

