

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L550 040916-1287 - Rear Differential

Sample No: LH0104290

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0104290	LH0230912	LH0222187	LH0187026
Sample Date	29 Sep 2023	13 Dec 2022	26 Jan 2022	07 Dec 2020
Machine Hours	11118	10041	0	7079
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

RIDEAU BULK TERMINALS INC.
 3141 ALBION ROAD SOUTH
 OTTAWA, ON
 CA K1V 8Y3
 Contact: Marc Yelle
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 T: (613)223-3023
 F:



OIL CONDITION

Visc @ 40°C	cSt	189	187	97.4	98.1
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CONTAMINATION

Element	ppm	3	24	10	7
Silicon	ppm	3	24	10	7
Sodium	ppm	3	1	<1	<1
Potassium	ppm	0	0	1	<1



WEAR METALS

Element	ppm	60	614	707	564
Iron	ppm	60	614	707	564
Copper	ppm	1	2	1	2
Lead	ppm	0	2	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	2	<1	<1
Chromium	ppm	<1	13	5	2
Molybdenum	ppm	8	29	11	6
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	<1	0	0	<1
Manganese	ppm	<1	5	5	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Element	ppm	14	8	6	9
Calcium	ppm	14	8	6	9
Magnesium	ppm	9	1	<1	2
Zinc	ppm	18	6	6	7
Phosphorus	ppm	2279	2382	3041	2350
Barium	ppm	<1	0	0	0
Boron	ppm	7	25	259	299

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: RIDOTT
 Unique No: 5656295
 Signed: Wes Davis
 Report Date: 05 Oct 2023

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GRAPHS

