

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L550 040916-1287 - Front Differential

Sample No: LH0104296

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0104296	LH0162344	LH0222186	LH0187027
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	SEVERE	SEVERE

RIDEAU BULK TERMINALS INC.
 3141 ALBION ROAD SOUTH
 OTTAWA, ON
 CA K1V 8Y3
 Contact: Marc Yelle
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 F:



OIL CONDITION

Visc @ 40°C	cSt	194	184	93.9	98.6
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CONTAMINATION

Silicon	ppm	5	22	24	103
Sodium	ppm	3	2	<1	1
Potassium	ppm	0	<1	2	<1



WEAR METALS

PQ		---	---	---	544
Iron	ppm	54	496	961	1994
Copper	ppm	<1	1	3	8
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	2	2	8
Chromium	ppm	2	12	13	54
Molybdenum	ppm	1	10	12	45
Nickel	ppm	0	<1	<1	1
Titanium	ppm	0	<1	0	<1
Silver	ppm	<1	0	0	<1
Manganese	ppm	0	4	8	16
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	8	10	16	7
Magnesium	ppm	3	1	<1	2
Zinc	ppm	10	4	10	7
Phosphorus	ppm	2338	2392	2996	2510
Barium	ppm	<1	0	0	0
Boron	ppm	4	23	273	292

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: 5656297
 Signed: Wes Davis
 Report Date: 05 Oct 2023



GRAPHS

