

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 053090-1334 - Rear Differential

Sample No: LH0287068

Oil Type: GEAR OIL SAE 75W90



Sample Information

Sample Number	LH0287068	LH0261818	LH0242472	LH0230594
Sample Date	16 Apr 2024	19 May 2023	15 Nov 2022	05 Jul 2022
Machine Hours	10149	8213	7101	6238
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Waterford Sand and Gravel Ltd.

70 Ewart Avenue
Brantford, ON
CA N3T 5M1

Contact: Ed Lamb
elamb@waterfordgroup.ca
T: (905)981-6702
F:



Oil Condition

Visc @ 40°C	cSt	86.2	96.5	98.5	93.9



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	2	<1	3
Sodium	ppm	1	<1	<1	3
Potassium	ppm	0	<1	0	1



Wear Metals

Iron	ppm	59	30	24	33
Copper	ppm	11	20	24	15
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	1	<1	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	<1	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	9	22	10	10
Magnesium	ppm	2	1	1	2
Zinc	ppm	15	11	12	14
Phosphorus	ppm	2171	2716	2377	2609
Barium	ppm	0	0	0	0
Boron	ppm	69	310	290	289

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: WAT70BRA2
Unique No: 5762888
Signed: Wes Davis
Report Date: 17 Apr 2024



Graphs

