

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 055418-1334 - Rear Differential

Sample No: LH0281363

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0281363	LH0270257	LH0274425	LH0256592
Sample Date	21 Jan 2024	25 Sep 2023	15 Aug 2023	27 Mar 2023
Machine Hours	13061	12214	11526	10029
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	94.2	95.3	94.4	92.3



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	3	6	2
Sodium	ppm	<1	1	<1	<1
Potassium	ppm	<1	0	<1	0

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.



WEAR METALS

Iron	ppm	49	55	88	56
Copper	ppm	11	12	22	20
Lead	ppm	<1	<1	<1	<1
Tin	ppm	<1	<1	1	1
Aluminum	ppm	<1	<1	1	0
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	12	12	15	10
Magnesium	ppm	1	1	3	2
Zinc	ppm	15	17	23	18
Phosphorus	ppm	2585	2467	2383	2747
Barium	ppm	0	<1	0	0
Boron	ppm	299	295	307	294

Depot: CGCHAG
Unique No: 5711449
Signed: Wes Davis
Report Date: 22 Jan 2024



GRAPHS

