

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 055418-1334 - Rear Differential

Sample No: LH0270257

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0270257	LH0274425	LH0256592	LH0242634
Sample Date	25 Sep 2023	15 Aug 2023	27 Mar 2023	04 Nov 2022
Machine Hours	12214	11526	10029	8865
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	95.3	94.4	92.3	95.8



CONTAMINATION

Element	ppm	3	6	2	3
Silicon	ppm	3	6	2	3
Sodium	ppm	1	<1	<1	<1
Potassium	ppm	0	<1	0	0



WEAR METALS

Element	ppm	55	88	56	59
Iron	ppm	55	88	56	59
Copper	ppm	12	22	20	29
Lead	ppm	<1	<1	<1	<1
Tin	ppm	<1	1	1	2
Aluminum	ppm	<1	1	0	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Element	ppm	12	15	10	12
Calcium	ppm	12	15	10	12
Magnesium	ppm	1	3	2	<1
Zinc	ppm	17	23	18	22
Phosphorus	ppm	2467	2383	2747	2572
Barium	ppm	<1	0	0	0
Boron	ppm	295	307	294	295

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: CGCHAG
 Unique No: 5646337
 Signed: Wes Davis
 Report Date: 26 Sep 2023



GRAPHS

