

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 055418-1334 - Front Differential

Sample No: LH0270259

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0270259	LH0274430	LH0256595	LH0242635
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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 55 THIRD LINE RD
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 Contact: Mike Otterman
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OIL CONDITION

Visc @ 40°C	cSt	95.3	95.1	92.3	95.3
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CONTAMINATION

Element	Unit	3	4	3	3
Silicon	ppm	3	4	3	3
Sodium	ppm	2	<1	<1	<1
Potassium	ppm	0	<1	<1	<1



WEAR METALS

Element	Unit	94	146	76	75
Iron	ppm	94	146	76	75
Copper	ppm	15	27	25	34
Lead	ppm	<1	<1	<1	1
Tin	ppm	<1	2	2	2
Aluminum	ppm	<1	1	<1	<1
Chromium	ppm	<1	1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	0	<1
Manganese	ppm	<1	2	1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Element	Unit	12	12	13	12
Calcium	ppm	12	12	13	12
Magnesium	ppm	1	2	2	1
Zinc	ppm	15	22	20	21
Phosphorus	ppm	2525	2353	2734	2670
Barium	ppm	<1	0	0	0
Boron	ppm	292	294	290	291

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: 5646353
Signed: Wes Davis
Report Date: 26 Sep 2023



GRAPHS

