

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 036511-1168 - Front Differential

Sample No: LH0257431

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



SAMPLE INFORMATION

Sample Number	LH0257431	LH0239193	LH0202975	LH
Sample Date	14 Sep 2023	07 Nov 2022	30 Sep 2021	31 Oct 2020
Machine Hours	13330	11757	10700	9931
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Summit Aggregates
 2686 Greenfield Blvd.
 Ayr, ON
 CA N0B 1E0
 Contact: Greg .
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OIL CONDITION

Visc @ 40°C	cSt	91.9	96.6	90.9	90.5
Visc @ 100°C	cSt	---	---	14.4	---
Viscosity Index (VI)	Scale	---	---	164	---

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.



CONTAMINATION

Silicon	ppm	4	3	5	3
Sodium	ppm	1	<1	7	<1
Potassium	ppm	<1	0	8	<1



WEAR METALS

Iron	ppm	203	91	87	225
Copper	ppm	3	2	2	2
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	1	1
Chromium	ppm	1	<1	<1	<1
Molybdenum	ppm	16	3	6	6
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	2	<1	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	15	16	13	7
Magnesium	ppm	2	1	2	1
Zinc	ppm	14	11	7	6
Phosphorus	ppm	2810	2600	3044	2801
Barium	ppm	0	0	0	0
Boron	ppm	269	297	292	267

Depot: SUMAYR
 Unique No: 5643983
 Signed: Wes Davis
 Report Date: 15 Sep 2023



GRAPHS

