

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 036511-1168 - Front Differential

Sample No: LH0278891

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



SAMPLE INFORMATION

Sample Number	LH0278891	LH0257431	LH0239193	LH0202975
Sample Date	21 Jan 2024	14 Sep 2023	07 Nov 2022	30 Sep 2021
Machine Hours	14008	13330	11757	10700
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	N/A	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Summit Aggregates
 2686 Greenfield Blvd.
 Ayr, ON
 CA N0B 1E0
 Contact: Greg .
 greg@summitagg.com
 T: (226)791-0161
 F:



OIL CONDITION

Visc @ 40°C	cSt	94.6	91.9	96.6	90.9
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

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



WEAR METALS

Iron	ppm	109	203	91	87
Copper	ppm	2	3	2	2
Lead	ppm	<1	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	1
Chromium	ppm	<1	1	<1	<1
Molybdenum	ppm	6	16	3	6
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	2	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	13	15	16	13
Magnesium	ppm	1	2	1	2
Zinc	ppm	11	14	11	7
Phosphorus	ppm	2593	2810	2600	3044
Barium	ppm	0	0	0	0
Boron	ppm	292	269	297	292

Depot: SUMAYR
 Unique No: 5711457
 Signed: Wes Davis
 Report Date: 22 Jan 2024



GRAPHS

