

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A918 138609-1508 - Front Right Wheel Hub

Sample No: LH0237473

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SILVERFOX EXCAVATION LTD.
66037 OGILVIEW DR.
HOPE, BC
CA V0X 1L1
Contact: Service Manager



Sample Information

Sample Number	LH0237473	LH0242012	LH0237460	LH0237447
Sample Date	23 Apr 2024	28 Nov 2023	08 Aug 2023	11 Jan 2023
Machine Hours	3501	2960	2194	1026
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL



Oil Condition

Visc @ 40°C	cSt	95.2	95.4	91.7	88.0



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	26	4	3	5
Sodium	ppm	2	8	9	16
Potassium	ppm	<1	<1	<1	1



Wear Metals

Iron	ppm	11	344	135	91
Copper	ppm	<1	20	29	33
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	<1	2	1	1
Chromium	ppm	0	1	<1	<1
Molybdenum	ppm	59	0	0	0
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	3	2	1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	1061	193	464	1222
Magnesium	ppm	971	4	4	5
Zinc	ppm	1153	79	214	480
Phosphorus	ppm	983	1254	1263	1258
Barium	ppm	0	4	2	2
Boron	ppm	<1	225	190	170

T:
F:

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: SILHOP
Unique No: 5774000
Signed: Kevin Marson
Report Date: 02 May 2024



Graphs

