

LIEBHERR

CONSTRUCTION EQUIPMENT



[[619245]] LIEBHERR A934C 064283-1007 - Diesel Engine

Sample No: LH0286455

Oil Type: PETRO CANADA 10W30



Edson Forest Products (Div. of West Fraser Mills)
P.O. BOX 6810
Edson, AB
CA T7E 1V2
Contact: Brent Gradwell

T: (780)267-6005
F:

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Tests indicate that there is no fuel present in the oil. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



Sample Information

Sample Number	LH0286455	LH0128395	LH0080867	---
Sample Date	10 Jul 2024	03 Feb 2021	22 Apr 2014	---
Machine Hours	37437	28500	5109	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	N/A	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---



Oil Condition

Visc @ 40°C	cSt	---	---	110	---
Visc @ 100°C	cSt	10.8	11.3	15.3	---
Viscosity Index (VI)	Scale	---	---	146	---
Oxidation (PA)	%	51	52	51	---



Contamination

Water	%	NEG	NEG	NEG	---
Soot %	%	0.2	0.2	1.5	---
Nitration (PA)	%	36	40	56	---
Sulfation (PA)	%	50	51	61	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	0.0	<1.0	<1.0	---
Silicon	ppm	4	7	7	---
Sodium	ppm	<1	1	2	---
Potassium	ppm	0	<1	2	---



Wear Metals

Iron	ppm	2	4	20	---
Copper	ppm	<1	3	17	---
Lead	ppm	0	<1	2	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	<1	<1	2	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	50	56	<1	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	890	986	2983	---
Magnesium	ppm	842	944	17	---
Zinc	ppm	1072	1204	1210	---
Phosphorus	ppm	962	986	997	---
Barium	ppm	0	<1	0	---
Boron	ppm	1	2	17	---

Depot: SUNEDS
Unique No: 5814165
Signed: Kevin Marson
Report Date: 21 Jul 2024

Contact/Location: Brent Gradwell - SUNEDS



Graphs

