

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R926 048474-1565 - Diesel Engine

Sample No: LH0281115

Oil Type: PETRO CANADA 10W40



VICTORIA STONESCAPES
 1870 KEATING CROSS ROAD
 SAANICHTON, BC
 CA V8M 1W9
 Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0281115	LH0226750	LH0214952	---
Sample Date	05 Jan 2024	18 May 2022	22 Nov 2021	---
Machine Hours	1956	2674	461	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 100°C	cSt	14.2	13.1	15.0	---
Oxidation (PA)	%	65	73	59	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0	0	0	---
Nitration (PA)	%	63	69	40	---
Sulfation (PA)	%	56	63	55	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	8	12	10	---
Sodium	ppm	2	2	2	---
Potassium	ppm	<1	1	<1	---



WEAR METALS

Iron	ppm	13	21	3	---
Copper	ppm	1	7	3	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	2	2	1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	57	58	55	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1022	1117	1058	---
Magnesium	ppm	947	1010	967	---
Zinc	ppm	1150	1218	1167	---
Phosphorus	ppm	963	1049	1017	---
Barium	ppm	0	<1	<1	---
Boron	ppm	<1	7	9	---

T:
F:

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: VICSA
 Unique No: 5708862
 Signed: Kevin Marson
 Report Date: 10 Jan 2024



GRAPHS

