

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR PR736LGP 025503-1736 - Diesel Engine

Sample No: LH0260412

Oil Type: PETRO CANADA 10W40



METRIC CIVIL CONTRACTORS
 44075 YALE ROAD #101
 CHILLIWACK, BC
 CA V2R 3Z9
 Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0260412	---	---	---
Sample Date	29 Aug 2023	---	---	---
Machine Hours	466	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	12.1	---	---	---
Oxidation (PA)	%	195	---	---	---



CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	98	---	---	---
Sulfation (PA)	%	106	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	8	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	3	---	---	---



WEAR METALS

Iron	ppm	10	---	---	---
Copper	ppm	245	---	---	---
Lead	ppm	9	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	2	---	---	---
Molybdenum	ppm	47	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1336	---	---	---
Magnesium	ppm	945	---	---	---
Zinc	ppm	886	---	---	---
Phosphorus	ppm	782	---	---	---
Barium	ppm	15	---	---	---
Boron	ppm	72	---	---	---

T:
F:

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: MET440CHI
 Unique No: 5644830
 Signed: Bill Quesnel
 Report Date: 20 Sep 2023



GRAPHS

