

LIEBHERR

CONSTRUCTION EQUIPMENT



[[BUILDERS ASPHALT]] VOLVO PENTA XL4100V 4140000507 - Diesel Engine

Sample No: LH06117613
 Oil Type: DIESEL ENGINE OIL SAE 15W40



SAMPLE INFORMATION

Sample Number	LH06117613	---	---	---
Sample Date	07 Feb 2024	---	---	---
Machine Hours	609	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

FINKBINER EQUIPMENT CO.
 15 W 400 N FRONTAGE RD
 BURR RIDGE, IL
 US 60527
 Contact: TROY MILLER
 tmiller@finkbiner.com
 T: (630)654-3700
 F: (630)654-3792



OIL CONDITION

Visc @ 100°C	cSt	13.3	---	---	---
Base Number (BN)	mg KOH/g	8.7	---	---	---
Oxidation (PA)	%	55	---	---	---

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	41	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	9	---	---	---
Sodium	ppm	<1	---	---	---
Potassium	ppm	<1	---	---	---



WEAR METALS

Iron	ppm	2	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	56	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1640	---	---	---
Magnesium	ppm	393	---	---	---
Zinc	ppm	1171	---	---	---
Phosphorus	ppm	1020	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	22	---	---	---

Depot: LEC0033
 Unique No: 10926446
 Signed: Wes Davis
 Report Date: 14 Mar 2024



GRAPHS

