

LIEBHERR

CONSTRUCTION EQUIPMENT



[LIEBHERR CANADA LTD] 2014.01.0170 - Diesel Engine

Sample No: LH0286874

Oil Type: PETRO CANADA DURON UHP 5W30



Sample Information

Sample Number	LH0286874	---	---	---
Sample Date	07 Jun 2024	---	---	---
Machine Hours	28962	---	---	---
Oil Hours	50	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR CANADA LTD. - REMAN
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
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Oil Condition

Visc @ 40°C	cSt	69.2	---	---	---
Visc @ 100°C	cSt	11.6	---	---	---
Viscosity Index (VI)	Scale	163	---	---	---
Oxidation (PA)	%	64	---	---	---

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.



Contamination

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	57	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	15	---	---	---
Sodium	ppm	11	---	---	---
Potassium	ppm	<1	---	---	---



Wear Metals

Iron	ppm	5	---	---	---
Copper	ppm	3	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	51	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	1246	---	---	---
Magnesium	ppm	951	---	---	---
Zinc	ppm	1169	---	---	---
Phosphorus	ppm	1014	---	---	---
Barium	ppm	12	---	---	---
Boron	ppm	79	---	---	---

Depot: REMAN
 Unique No: 5799192
 Signed: Wes Davis
 Report Date: 13 Jun 2024



Graphs

