

LIEBHERR

CONSTRUCTION EQUIPMENT



[RIO TINTO] LIEBHERR R974 444 - Diesel Engine

Sample No: LH0260751

Oil Type: SAFETY-KLEEN PERFORMANCE PLUS XHD-7 15W40



LIEBHERR CANADA LTEE
 4250 AUTOROUTE CHOMEDEY 13
 LAVAL, QC
 CA H7R 6E9
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SAMPLE INFORMATION

Sample Number	LH0260751	---	---	---
Sample Date	21 Jun 2023	---	---	---
Machine Hours	11735	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 104	---	---	---
Visc @ 100°C	cSt	● 14.5	---	---	---
Viscosity Index (VI)	Scale	● 143	---	---	---
Oxidation (PA)	%	55	---	---	---



CONTAMINATION

Soot %	%	● 0	---	---	---
Nitration (PA)	%	39	---	---	---
Sulfation (PA)	%	49	---	---	---
Glycol	%	● 0.0	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	● 8	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● 7	---	---	---



WEAR METALS

Iron	ppm	● 4	---	---	---
Copper	ppm	● 3	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 1	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● 46	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	● 1081	---	---	---
Magnesium	ppm	● 915	---	---	---
Zinc	ppm	● 1073	---	---	---
Phosphorus	ppm	● 986	---	---	---
Barium	ppm	● 15	---	---	---
Boron	ppm	● 33	---	---	---

Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.

Depot: LIESTL
Unique No: 5604546
Signed: Wes Davis
Report Date: 30 Jun 2023



GRAPHS

