

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R934 054794-1550 - Diesel Engine

Sample No: LH0270076

Oil Type: PETRO CANADA SUPREME 5W30



METAL EXPRESS (9055-2480 QUEBEC INC)
254 RUE RICHARD-AUDET
ROXTON FALLS, QC
CA J0H 1E0
Contact: Service Manager

T: (450)522-5650
F:

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. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.



SAMPLE INFORMATION

Sample Number	LH0270076	LH0251031	---	---
Sample Date	12 Sep 2023	30 Jan 2023	---	---
Machine Hours	925	500	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	11.6	12.0	---	---
Oxidation (PA)	%	96	190	---	---



CONTAMINATION

Soot %	%	0	0	---	---
Nitration (PA)	%	84	93	---	---
Sulfation (PA)	%	65	107	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	0.9	---	---
Silicon	ppm	8	9	---	---
Sodium	ppm	4	3	---	---
Potassium	ppm	6	3	---	---



WEAR METALS

Iron	ppm	9	12	---	---
Copper	ppm	120	262	---	---
Lead	ppm	4	7	---	---
Tin	ppm	<1	2	---	---
Aluminum	ppm	2	3	---	---
Chromium	ppm	<1	1	---	---
Molybdenum	ppm	57	46	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	892	1346	---	---
Magnesium	ppm	1120	919	---	---
Zinc	ppm	1171	882	---	---
Phosphorus	ppm	1017	782	---	---
Barium	ppm	5	28	---	---
Boron	ppm	29	79	---	---

Depot: METROX
Unique No: 5643545
Signed: Wes Davis
Report Date: 14 Sep 2023



GRAPHS

