

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R945 056625-1866 - Diesel Engine

Sample No: LH0269940

Oil Type: PETRO CANADA 10W40



SINTRA INC. DIVISION OUEST
 499 CHEMIN FORET
 ST-PAUL, QC
 CA J0K 3E0
 Contact: Service Manager

T:
 F:



SAMPLE INFORMATION

Sample Number	LH0269940	---	---	---
Sample Date	18 Aug 2023	---	---	---
Machine Hours	502	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	11.6	---	---	---
Oxidation (PA)	%	192	---	---	---



CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	102	---	---	---
Sulfation (PA)	%	107	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	1.5	---	---	---
Silicon	ppm	11	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	10	---	---	---



WEAR METALS

Iron	ppm	11	---	---	---
Copper	ppm	299	---	---	---
Lead	ppm	9	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	4	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	47	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1319	---	---	---
Magnesium	ppm	954	---	---	---
Zinc	ppm	895	---	---	---
Phosphorus	ppm	773	---	---	---
Barium	ppm	31	---	---	---
Boron	ppm	68	---	---	---

Diagnosis

Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Aucune autre mesure corrective n'est recommandée pour l'instant. 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. Légère dilution de carburant dans l'huile. Aucun autre contaminant n'a été détecté dans l'huile. La viscosité de l'échantillon se situe dans la portée de l'SAE 30; nous vous conseillons de vérifier. L'état de l'huile est acceptable pour la durée de service.

Depot: SIN499STP
Unique No: 5630460
Signed: Kevin Marson
Report Date: 23 Aug 2023



GRAPHS

