

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L556 054860-1332 - Diesel Engine

Sample No: LH

Oil Type: PETRO CANADA DURON ADVANCED 5W30



#### SAMPLE INFORMATION

Sample Number	LH	LH	LH	LH0246614
Sample Date	08 Dec 2023	21 Jul 2023	18 Jul 2023	26 May 2023
Machine Hours	15000	14500	13966	13518
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**GROUPE LIGNAREX INC.**  
 7700 CHEMIN DE LA BATTURE  
 LA BAIE, QC  
 CA G7B 3P6  
 Contact: Service Manager



#### OIL CONDITION

Visc @ 100°C	cSt	11.8	11.6	11.7	11.7
Oxidation (PA)	%	94	76	78	78

T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	85	78	81	79
Sulfation (PA)	%	62	56	58	55
Glycol	%	NEG	0.0	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	7	8	8
Sodium	ppm	6	5	6	5
Potassium	ppm	0	15	<1	<1

**Diagnosis**  
 Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.



#### WEAR METALS

Iron	ppm	5	3	4	3
Copper	ppm	1	<1	2	1
Lead	ppm	<1	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	1	2	1
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	58	56	61	62
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	<1	0	<1	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	831	808	796	858
Magnesium	ppm	1151	1112	1115	1118
Zinc	ppm	1224	1197	1185	1201
Phosphorus	ppm	1017	1063	1056	1110
Barium	ppm	<1	0	0	0
Boron	ppm	22	24	18	28

Depot: GROLAB  
 Unique No: 5695833  
 Signed: Wes Davis  
 Report Date: 13 Dec 2023



### GRAPHS

