

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 054860-1332 - Diesel Engine

Sample No: LH

Oil Type: PETRO CANADA DURON ADVANCED 5W30



SAMPLE INFORMATION

Sample Number	LH	LH0246614	LH0153030	LH0224100
Sample Date	18 Jul 2023	26 May 2023	14 Apr 2023	03 Mar 2023
Machine Hours	13966	13518	13063	12587
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	11.7	11.7	11.8	11.8
Oxidation (PA)	%	78	78	78	85

T:
F:



CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	81	79	80	88
Sulfation (PA)	%	58	55	55	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	8	8	6	8
Sodium	ppm	6	5	8	8
Potassium	ppm	<1	<1	0	<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	4	3	3	4
Copper	ppm	2	1	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	2	1	1	1
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	61	62	61	63
Nickel	ppm	0	0	<1	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	796	858	839	849
Magnesium	ppm	1115	1118	1108	1150
Zinc	ppm	1185	1201	1191	1220
Phosphorus	ppm	1056	1110	1088	1093
Barium	ppm	0	0	0	0
Boron	ppm	18	28	25	30

Depot: GROLAB
Unique No: 5618642
Signed: Wes Davis
Report Date: 02 Aug 2023



GRAPHS

