

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 052852-1332 - Diesel Engine

Sample No: LH0269948

Oil Type: PETRO CANADA DURON UHP 5W30



SAMPLE INFORMATION

Sample Number	LH0269948	LH0256336	LH0242200	LH0242255
Sample Date	01 Oct 2023	16 May 2023	01 Mar 2023	30 Nov 2022
Machine Hours	2000	17943	17030	16000
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Resolute Forest Products

1, chemin de la Scierie, Case postale 2250
Baie-Comeau, QC
CA G5C 2S8
Contact: Paul Breton
paul.breton@liebherr.com
T:
F: (418)960-2788



OIL CONDITION

Visc @ 100°C	cSt	11.8	11.8	12.0	11.7
Oxidation (PA)	%	93	94	91	98



CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	88	89	90	91
Sulfation (PA)	%	63	63	68	66
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	8	11	8	6
Sodium	ppm	5	5	4	5
Potassium	ppm	0	<1	0	<1



WEAR METALS

Iron	ppm	6	5	4	4
Copper	ppm	2	2	1	2
Lead	ppm	1	0	<1	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	2	3	2	2
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	59	63	60	58
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	<1	0	<1	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	832	878	864	855
Magnesium	ppm	1162	1202	1127	1131
Zinc	ppm	1249	1277	1244	1249
Phosphorus	ppm	1035	1168	1118	1095
Barium	ppm	<1	0	0	0
Boron	ppm	18	27	36	21

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.

Depot: RESBAI
Unique No: 5671957
Signed: Wes Davis
Report Date: 08 Nov 2023



GRAPHS

