

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 051594-1464 - Diesel Engine

Sample No: LH0274169

Oil Type: PETRO CANADA DURON UHP 5W30



SAMPLE INFORMATION

Sample Number	LH0274169	LH0256345	LH0242115	LH0242234
Sample Date	19 Oct 2023	23 May 2023	12 Jan 2023	02 Nov 2022
Machine Hours	24000	22038	20000	19000
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	Changed
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	11.7	11.8	12.0
Oxidation (PA)	%	87	86	84	88



CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	86	86	87	84
Sulfation (PA)	%	61	61	66	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	5	5	5
Sodium	ppm	5	5	4	8
Potassium	ppm	0	0	<1	4



WEAR METALS

Iron	ppm	6	4	4	5
Copper	ppm	1	1	1	1
Lead	ppm	<1	<1	0	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	1	1	2	1
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	59	64	62	58
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	827	928	876	845
Magnesium	ppm	1152	1219	1172	1127
Zinc	ppm	1235	1339	1265	1210
Phosphorus	ppm	1014	1182	1133	1039
Barium	ppm	<1	0	0	0
Boron	ppm	22	31	29	24

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: 5671956
Signed: Wes Davis
Report Date: 08 Nov 2023



GRAPHS

