

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 053452-1332 - Diesel Engine

Sample No: LH0256456

Oil Type: PETRO CANADA SUPREME 5W30



SAMPLE INFORMATION

Sample Number	LH0256456	LH0256263	LH0242235	LH0242145
Sample Date	27 Jun 2023	02 May 2023	23 Mar 2023	01 Feb 2023
Machine Hours	22000	20909	20021	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
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OIL CONDITION

Visc @ 40°C	cSt	---	---	---	75.4
Visc @ 100°C	cSt	11.9	11.8	11.9	12.0
Viscosity Index (VI)	Scale	---	---	---	155
Oxidation (PA)	%	94	92	103	102



CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	97	88	93	96
Sulfation (PA)	%	62	61	71	70
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	7	7	7
Sodium	ppm	5	5	5	5
Potassium	ppm	<1	0	1	<1



WEAR METALS

Iron	ppm	4	3	4	4
Copper	ppm	2	1	1	2
Lead	ppm	0	0	0	0
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	1	2	2	2
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	59	60	61	61
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	832	898	872	892
Magnesium	ppm	1164	1173	1139	1185
Zinc	ppm	1265	1301	1256	1289
Phosphorus	ppm	1085	1138	1112	1148
Barium	ppm	0	0	0	0
Boron	ppm	21	31	31	30

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: 5644157
Signed: Wes Davis
Report Date: 18 Sep 2023



GRAPHS

