

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L550 026181 - Diesel Engine

Sample No: LH0224279

Oil Type: PETRO CANADA 10W30



SAMPLE INFORMATION

Sample Number	LH0224279	LH0250243	LH0101663	LH0098167
Sample Date	24 Jun 2023	11 Jan 2023	11 Jan 2016	07 Oct 2015
Machine Hours	29565	29296	27472	26114
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

LANGE'S ROCK FARM
 2879 BARSS CORNER RD
 BARSS CORNER, NS
 CA B0R 1A0
 Contact: Service Manager



OIL CONDITION

Visc @ 100°C	cSt	11.9	14.9	14.5	14.4
Oxidation (PA)	%	57	67	63	57

T:
F:



CONTAMINATION

Soot %	%	0.4	0.4	0.5	0.2
Nitration (PA)	%	56	68	63	47
Sulfation (PA)	%	53	62	60	53
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	6	6	7
Sodium	ppm	1	2	3	29
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	9	5	9	4
Copper	ppm	5	8	4	2
Lead	ppm	2	2	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	1	1	3	2
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	49	<1	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1238	1944	2442	2212
Magnesium	ppm	821	82	8	9
Zinc	ppm	1214	1049	1221	1147
Phosphorus	ppm	1097	976	1037	1035
Barium	ppm	0	0	<1	0
Boron	ppm	26	144	1	5

Depot: LANBAR
 Unique No: 5606656
 Signed: Wes Davis
 Report Date: 13 Jul 2023



GRAPHS

