

LIEBHERR

CONSTRUCTION EQUIPMENT



[(353448)] LIEBHERR L566 064106-1758 - Diesel Engine

Sample No: LH0208462

Oil Type: DIESEL ENGINE OIL SAE 15W40



SAMPLE INFORMATION

Sample Number	LH0208462	LH0208449	LH0208441	LH0213553
Sample Date	31 May 2023	26 Jul 2022	10 Jan 2022	05 Nov 2021
Machine Hours	2194	1171	778	578
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

PAVAGES MASKA INC.
 3450 BOULEVARD CHOQUETTE
 SAINT-HYACINTHE, QC
 CA J2S 8V9
 Contact: Service Manager



OIL CONDITION

Visc @ 100°C	cSt	13.2	11.6	11.7	12.0
Oxidation (PA)	%	57	69	82	91

T:
F:



CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	48	62	61	52
Sulfation (PA)	%	58	55	62	65
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	8	9	8	12
Sodium	ppm	2	4	4	3
Potassium	ppm	0	<1	<1	3

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	3	4	5	10
Copper	ppm	2	2	8	51
Lead	ppm	<1	0	<1	3
Tin	ppm	0	<1	<1	1
Aluminum	ppm	<1	1	1	2
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	49	54	57	48
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1197	889	849	1401
Magnesium	ppm	840	1092	1150	1016
Zinc	ppm	1132	1213	1178	944
Phosphorus	ppm	992	1009	1049	841
Barium	ppm	0	0	1	14
Boron	ppm	2	41	63	105

Depot: PAVSAI
Unique No: 5642138
Signed: Wes Davis
Report Date: 08 Sep 2023



GRAPHS

