



LIEBHERR LH60M 145111-1217 - Diesel Engine

Sample No: LH0261759

Oil Type: DIESEL ENGINE OIL SAE 40



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.		LH0261759	LH0266083	LH0261354	---
Date d'échant.		06 Sep 2023	20 Jun 2023	27 Apr 2023	---
Heures de la Machine		2048	1188	558	---
Heures de l'huile		0	0	0	---
Huile changée		Changed	Changed	Changed	---
Statut de l'échant.		NORMAL	NORMAL	NORMAL	---

RAM IRON AND METAL

60 Ashwarren Road
TORONTO, ON
CA M3J 1Z5
Contact: PETER RACCO
PETER@RAMIRON.COM
T: (416)630-4545
F: (416)630-5258



ÉTAT D'HUILE

Visc 100°C	cSt	12.6	12.8	11.9	---
Oxydation (PA)	%	92	100	225	---



CONTAMINATION

% de suie	%	0	0	0	---
Nitration (PA)	%	85	84	109	---
Sulfatation (PA)	%	67	65	115	---
Glycol	%	NEG	NEG	NEG	---
Essence	%	<1.0	<1.0	1.8	---
Silicium	ppm	7	7	9	---
Sodium	ppm	2	2	2	---
Potassium	ppm	6	2	3	---



MÉTAUX D'USURE

Fer	ppm	7	7	15	---
Cuivre	ppm	9	65	237	---
Plomb	ppm	1	4	10	---
Étain	ppm	<1	<1	1	---
Aluminium	ppm	2	1	3	---
Chrome	ppm	<1	<1	2	---
Molybdène	ppm	58	57	46	---
Nickel	ppm	0	0	<1	---
Titane	ppm	0	0	<1	---
Argent	ppm	0	0	0	---
Manganèse	ppm	<1	<1	2	---
Vanadium	ppm	0	0	0	---



ADDITIFS

Calcium	ppm	1040	1091	1412	---
Magnésium	ppm	962	971	926	---
Zinc	ppm	1142	1130	826	---
Phosphore	ppm	972	972	748	---
Baryum	ppm	<1	4	31	---
Bore	ppm	2	8	93	---

Diagnostic

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: RAMTOR
Unique No: 5642165
Signed: Wes Davis
Report Date: 08 Sep 2023



GRAPHS

