

LIEBHERR

CONSTRUCTION EQUIPMENT



054897-1650 - Hydraulic System

Sample No: LH0292410

Oil Type: TOTAL BIOHYDRAN SE 46



Information sur l'échantillon

Numéro d'échant.	LH0292410	LH0243057	---	---
Date d'échant.	18 Jun 2024	17 Jan 2023	---	---
Heures de la Machine	1937	641	---	---
Heures de l'huile	0	0	---	---
Huile changée	Changed	Not Changd	---	---
Statut de l'échant.	SEVERE	NORMAL	---	---

Delsan - American Iron and Metal
 2187 Montee Masson
 Laval, QC
 CA H7B 0A6
 Contact: MANNY MARQUES
 mmarques@delsan-aim.com
 T:
 F:



État d'huile

Visc 40°C	cSt	● 45.6	● 45.9	---	---
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Contamination

Eau	%	NEG	NEG	---	---
Particules >4µ		● 32628	● 6038	---	---
Particules >6µ		● 10901	● 213	---	---
Particules >14µ		● 1409	● 12	---	---
ISO 4406:1999 (c)		22/21/18	20/15/11	---	---
Silicium	ppm	● 4	● 2	---	---
Sodium	ppm	● 4	● 1	---	---
Potassium	ppm	● 1	● 0	---	---

Diagnostic

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Iron ppm levels are severe. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



Métaux d'usure

PQ		● 2	---	---	---
Fer	ppm	● 140	● 34	---	---
Cuivre	ppm	● 4	● 2	---	---
Plomb	ppm	● 2	● <1	---	---
Étain	ppm	● <1	● <1	---	---
Aluminium	ppm	● 2	● 1	---	---
Chrome	ppm	● 7	● 3	---	---
Molybdène	ppm	● 0	0	---	---
Nickel	ppm	● <1	● 0	---	---
Titane	ppm	0	0	---	---
Argent	ppm	0	0	---	---
Manganèse	ppm	● 2	<1	---	---
Vanadium	ppm	0	0	---	---



Additifs

Calcium	ppm	17	5	---	---
Magnésium	ppm	● 1	<1	---	---
Zinc	ppm	● 53	29	---	---
Phosphore	ppm	● 246	243	---	---
Baryum	ppm	● 0	0	---	---
Bore	ppm	● 1	<1	---	---

Depot: DEL782MON
Unique No: 5801724
Signed: Kevin Marson
Report Date: 27 Jun 2024



Graphs

