LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH50M 107256-1216 - Front Differential

Sample No: LH06163765

Nickel

Silver

Titanium

Manganese

Vanadium

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

ppm

ppm

ppm

ppm

ppm

mqq

ppm

ppm

ppm

ppm

ppm

Additives

0

0

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2

0

0

0

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Oil Type: GEAR OIL SAE 80W90

Machine Hours 3993 2974 1987 1017 Dil Hours 0 0 0 0 0 0 0 Dil Changed Changed Changed Changed Changed Sample Status NORMAL NORMAL NORMAL NORMAL Oil Condition Jisc @ 40°C cSt	Ō	mla Infor				
Sample Date 29 Apr 2024 03 Apr 2022 30 Jan 2021 05 Jan 2020		•		11105544405	1110515055	111110155005
Machine Hours 3993 2974 1987 1017 Dil Hours 0 0 0 0 Dil Changed Changed Changed Changed NORMAL NORMAL NORMAL NORMAL Visc @ 40°C cSt 174 194 195 192 Contamination Water % NEG NEG NEG NEG Silicon ppm 2 <1						
Oil Hours 0 0 0 0 Oil Changed Changed	•				30 Jan 2021	
Oil Changed NormAl NormAl	Machine Hours		3993	2974	1987	1017
Confamination NEG <	Oil Hours			0	0	0
Oil Condition Visc @ 40°C cSt 174 194 195 192 Contamination Water % NEG NEG NEG NEG Silicon ppm 2 <1	Oil Changed		Changed	Changed	Changed	Changed
Visc @ 40°C cSt 174 194 195 192 Contamination Water % NEG NEG NEG NEG NEG Silicon ppm 2 <1	Sample Status		NORMAL	NORMAL	NORMAL	NORMAL
Visc @ 40°C cSt 174 194 195 192 Contamination Water % NEG NEG NEG NEG NEG Silicon ppm 2 <1						
Contamination Water % NEG 12 21 Walliam ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Oil C	ondition				
Water % NEG 2 1 2 1 2 3 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	√isc @ 40°C	cSt	174	O 194	O 195	O 192
Water % NEG 2 1 2 1 2 3 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-4					
Water % NEG NEG NEG NEG Silicon ppm 2 <1	Conf	taminatio	on			
Sodium				NEG	NEG	NEG
Sodium	Silicon	maa	O 2	0 <1	0.1	O <1
Potassium ppm 0 <1 0 0 Wear Metals ron ppm 3 4 19 3 Copper ppm 13 5 11 10 Lead ppm 0 0 0 0 Tin ppm 0 0 0 0 Aluminum ppm 0 0 0 <1	Sodium				0 0	
Wear Metals Iron ppm 3 4 19 3 Copper ppm 13 5 11 10 Lead ppm 0 0 0 0 Tin ppm 0 0 0 0 Aluminum ppm 0 0 0 <1	Potassium		~	0 <1	0 0	•
Iron ppm 3 4 19 3 Copper ppm 13 5 11 10 Lead ppm 0 0 0 0 Tin ppm 0 0 0 0 Aluminum ppm 0 0 0 <1 Chromium ppm 0 0 <1 <1		1-1-				
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Copper ppm 13 5 11 10 Lead ppm 0 0 0 0 Tin ppm 0 0 0 0 Aluminum ppm 0 0 0 <1		ar Metais				
Lead ppm 0 0 0 0 0 Tin ppm 0 0 0 0 0 Aluminum ppm 0 0 0 0 <1	ron	ppm	_	_	19	3
Tin ppm 0 0 0 0 Aluminum ppm 0 0 0 0 <1 Chromium ppm 0 0 <1 <1	Copper	ppm	13	O 5	O 11	O 10
Aluminum ppm 0 0 0 <1 Chromium ppm 0 0 <1 <1	Lead	ppm	0	O 0	0	O
Chromium ppm ○ 0 ○ <1 ○ <1	Tin	ppm	0 0	O 0	0	0
	Aluminum	ppm	0 0	O 0	O 0	O <1
Molybdenum	Chromium	ppm	0 0	0	O <1	O <1
	Molybdenum	ppm	0 0	O <1	0	0

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0 4

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DIEHL AND NUEMAIER

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US 53532

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Diagnosis

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:DIEDEFUnique No:11004484Signed:Don BaldridgeReport Date:01 May 2024

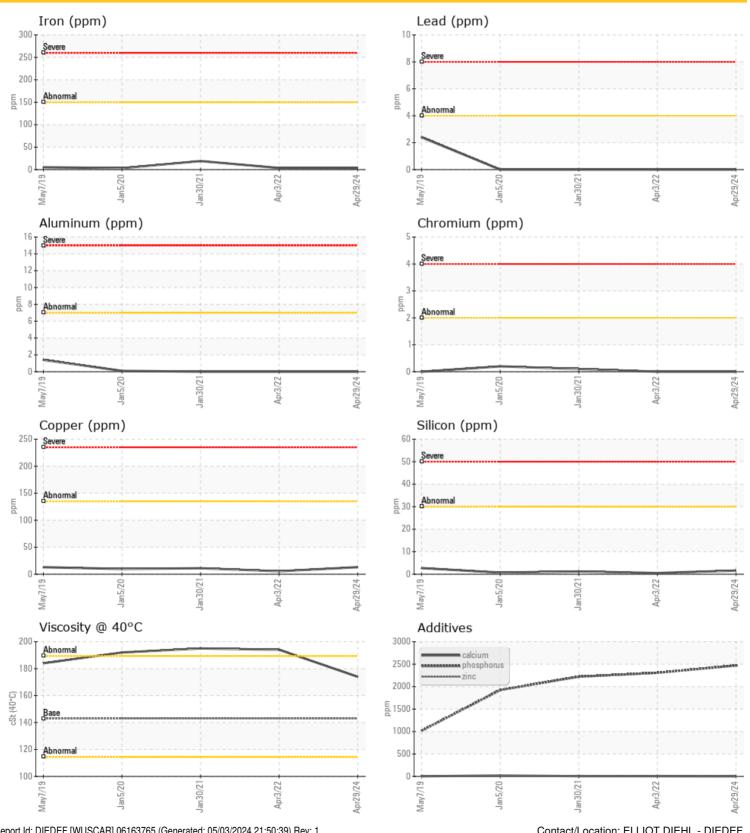
Contact/Location: ELLIOT DIEHL - DIEDEF

CONSTRUCTION EQUIPMENT





Graphs



Report Id: DIEDEF [WUSCAR] 06163765 (Generated: 05/03/2024 21:50:39) Rev: 1

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