

NORMAL WEAR CONTAMINATION MARGINAL NORMAL **FLUID CONDITION**



LIEBHERR LH30M 137944-1253

Diesel Engine

SAE 10W40 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.

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All component wear rates are normal.

CONTAMINATION

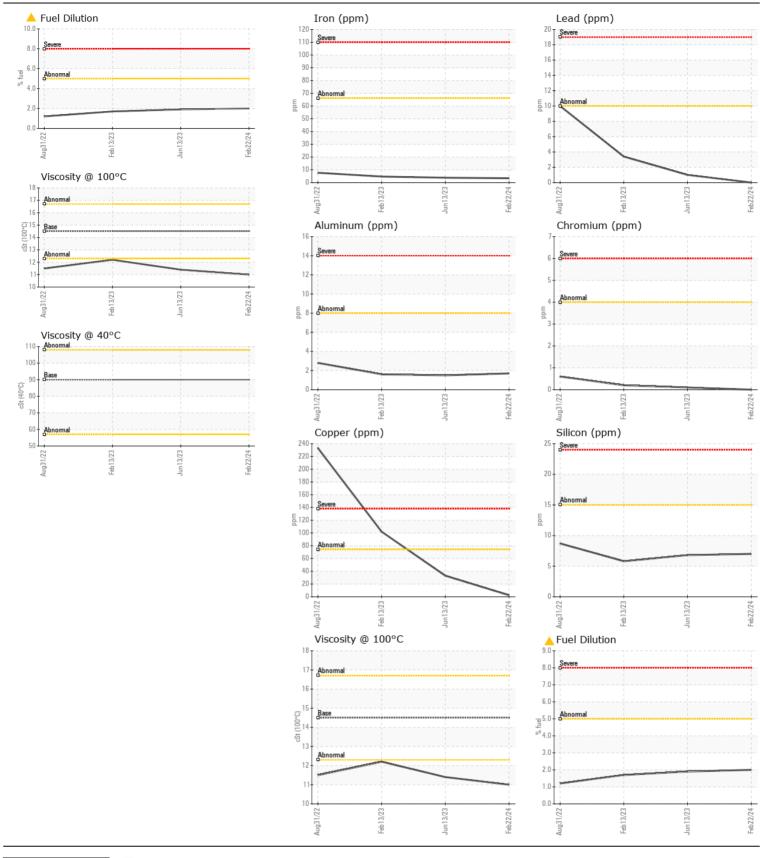
Light fuel dilution occurring. No other contaminants were detected in the oil.

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

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Т	est	UOM	Method	Limit/Abn	Current	History1	History2
S	Sample Number		Client Info		LH0278730	LH0256534	LH0239386
S	Sample Date		Client Info		22 Feb 2024	13 Jun 2023	13 Feb 2023
Ν	Aachine Age	hrs	Client Info		2777	1701	1206
C	Dil Age	hrs	Client Info		0	0	0
F	ilter Age	hrs	Client Info		0	0	0
C	Dil Changed		Client Info		Changed	Changed	Changed
F	Filter Changed		Client Info		N/A	N/A	N/A
8	Sample Status				MARGINAL	ABNORMAL	NORMAL
h	ron	ppm	ASTM D5185(m)	>66	3	4	5
C	Chromium	ppm	ASTM D5185(m)	>4	0	<1	<1
Ν	lickel	ppm	ASTM D5185(m)	>4	0	<1	0
Т	Titanium	ppm	ASTM D5185(m)		0	<1	<1
S	Silver	ppm	ASTM D5185(m)	>3	0	0	0
A	Aluminum	ppm	ASTM D5185(m)	>8	2	2	2
L	ead	ppm	ASTM D5185(m)	>10	0	1	3
C	Copper	ppm	ASTM D5185(m)	>74	2	33	102
Т	īn	ppm	ASTM D5185(m)	>4	0	<1	<1
١	/anadium	ppm	ASTM D5185(m)		0	0	0
S	Silicon	ppm	ASTM D5185(m)	>15	7	7	6
F	Potassium	ppm	ASTM D5185(m)	>20	1	0	2
F	uel	%	ASTM D7593*	>5	<u> </u>	1.9	1.7
٧	Vater		WC Method	>0.2	NEG	NEG	NEG
C	Glycol		WC Method		NEG	NEG	NEG
S	Soot %	%	ASTM D7844*	>3	0	0	0
Ν	Nitration	Abs/cm	ASTM D7624*	>20	8.8	8.9	8.1
S	Sulfation	Abs/.1mm	ASTM D7415*	>30	19.7	20.7	23.0
E	Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
S	Sodium	ppm	ASTM D5185(m)	>401	4	4	2
E	Boron	ppm	ASTM D5185(m)		36	34	8
Е	Barium	ppm	ASTM D5185(m)		0	<1	3
Ν	Nolybdenum	ppm	ASTM D5185(m)		58	59	58
Ν	<i>M</i> anganese	ppm	ASTM D5185(m)		0	<1	<1
Ν	/lagnesium	ppm	ASTM D5185(m)		1060	1085	962
C	Calcium	ppm	ASTM D5185(m)		833	923	1165
F	Phosphorus	ppm	ASTM D5185(m)		1015	1076	1058
	Zinc	ppm	ASTM D5185(m)		1155	1206	1152
Z	Sulfur	ppm	ASTM D5185(m)		3360	2794	2481
	Dxidation	Abs/.1mm	ASTM D7414*	>25	18.2	19.2	19.6
S	/isc @ 40°C	cSt	ASTM D7279(m)	90.0	66.1		
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s C	/isc @ 100°C	cSt	ASTM D7279(m)	14.5	11.0	▲ 11.4	12.2

Submitted By: ?



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CALA Sample No. Received : LH0278730 : 23 Feb 2024 Lab Number : 02617725 : 27 Feb 2024 Tested ISO 17025:2017 Accredited Unique Number : 5734835 : 27 Feb 2024 - Wes Davis Diagnosed Laboratory Test Package : MOB 1 (Additional Tests: FuelDilution, KV40, PercentFuel, VI) To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

KINGS AUTO WRECKERS 1866 DRUMMOND LINE PETERBOROUGH, ON CA K9J 6X8

Contact: Service Manager

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