



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
RMR-Newport
 Machine Id
1203-88007 LIEBHERR LH50M 1203-88007
 Component
Transmission
 Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

RECOMMENDATION

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DJJ0018094	DJJ0016422	DJJ0016416
Sample Date		Client Info		14 Jun 2024	05 Dec 2022	19 Jul 2022
Machine Age	hrs	Client Info		12052	10444	9816
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	Not Changed	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

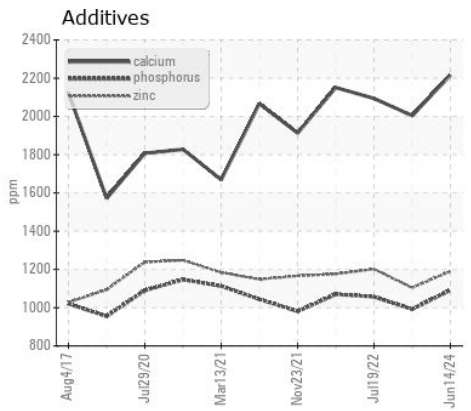
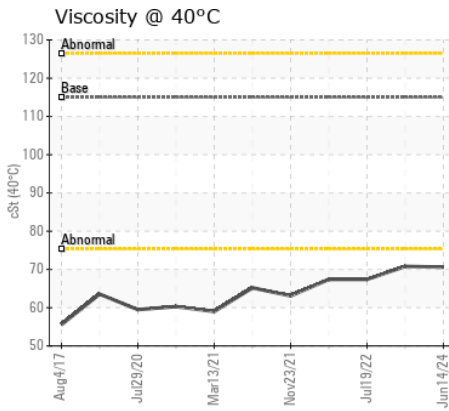
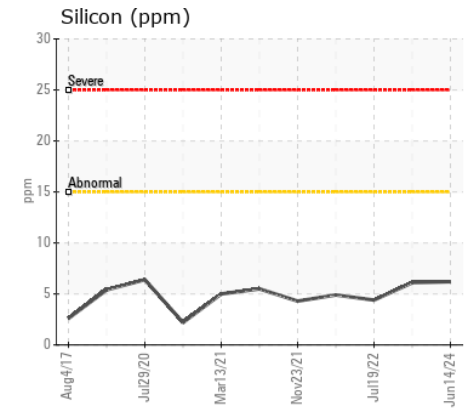
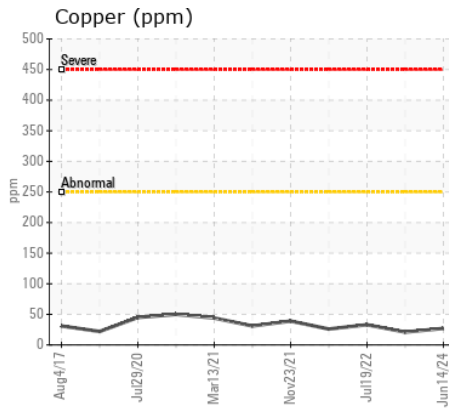
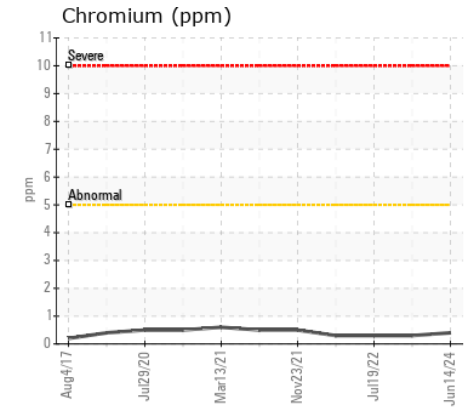
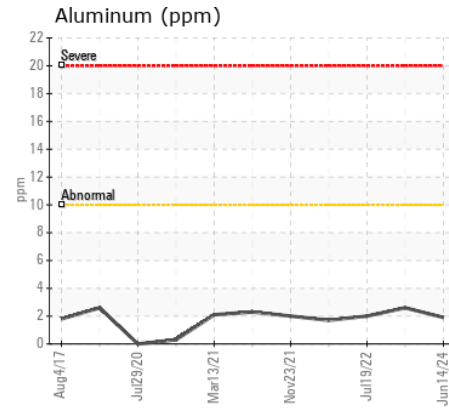
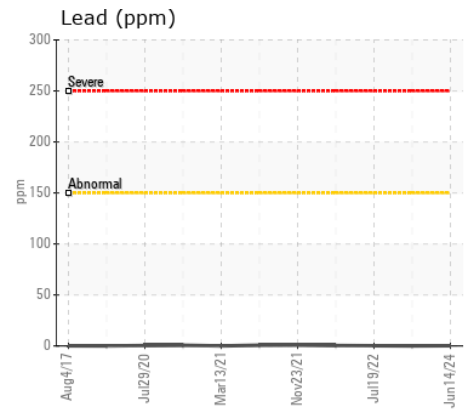
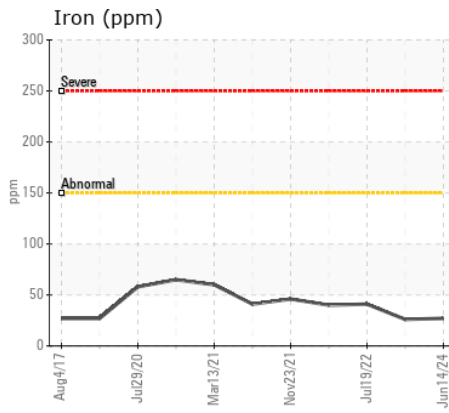
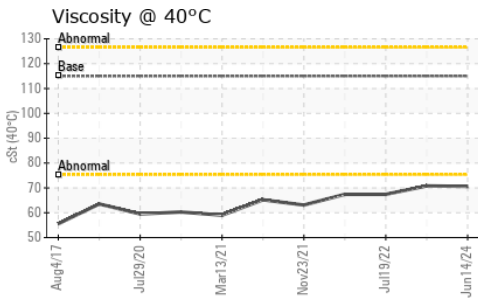
Iron	ppm	ASTM D5185m	>150	27	26	41
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	3	2
Lead	ppm	ASTM D5185m	>150	<1	0	<1
Copper	ppm	ASTM D5185m	>250	27	21	33
Tin	ppm	ASTM D5185m	>5	1	<1	2
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	▲ MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

Silicon	ppm	ASTM D5185m	>15	6	6	4
Potassium	ppm	ASTM D5185m	>20	1	2	2
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

Sodium	ppm	ASTM D5185m	>158	2	<1	4
Boron	ppm	ASTM D5185m	250	97	96	79
Barium	ppm	ASTM D5185m	10	1	2	0
Molybdenum	ppm	ASTM D5185m	100	72	74	69
Manganese	ppm	ASTM D5185m		3	3	5
Magnesium	ppm	ASTM D5185m	450	67	121	218
Calcium	ppm	ASTM D5185m	3000	2216	2004	2094
Phosphorus	ppm	ASTM D5185m	1150	1092	992	1057
Zinc	ppm	ASTM D5185m	1350	1190	1104	1202
Sulfur	ppm	ASTM D5185m	4250	4547	4242	5164
Visc @ 40°C	cSt	ASTM D445	115	70.6	70.8	67.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DJJ0018094
Lab Number : 06215177
Unique Number : 11088041
Test Package : MOBCE

RIVER METALS RECYCLING - NEWPORT
 P.O. BOX 72-220
 NEWPORT, KY
 US 41072
 Contact: RYAN BOWDEN

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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