MOB I

Dura-Check Fluid Analysis

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
[MH-4]
Machine Id
LIEBHERR R954B MH-4 (S/N 015630-629)
Component
Left Final Drive
Fluid
DURALENE Posi-Traction 80W90 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system.
We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated. Bearing and/or bushing wear is indicated.

CONTAMINATION

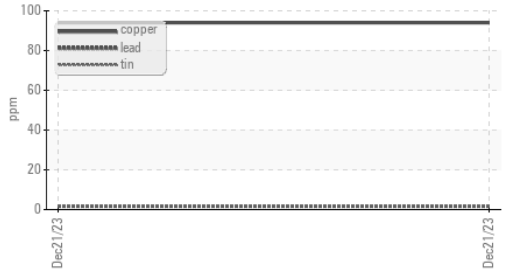
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

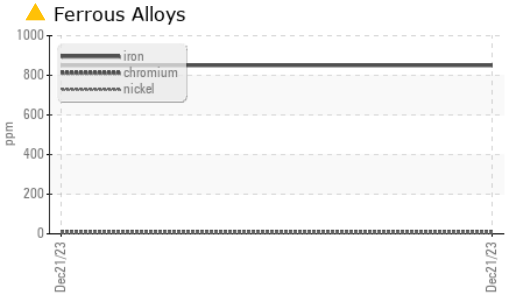
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0028812	---	---
Sample Date		Client Info		21 Dec 2023	---	---
Machine Age	hrs	Client Info		12300	---	---
Oil Age	hrs	Client Info		1500	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185m	>500	▲ 850	---	---
Chromium	ppm	ASTM D5185m	>10	8	---	---
Nickel	ppm	ASTM D5185m	>10	5	---	---
Titanium	ppm	ASTM D5185m		3	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>25	▲ 40	---	---
Lead	ppm	ASTM D5185m	>25	2	---	---
Copper	ppm	ASTM D5185m	>50	▲ 94	---	---
Tin	ppm	ASTM D5185m	>10	2	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>75	▲ 157	---	---
Potassium	ppm	ASTM D5185m	>20	15	---	---
Water		WC Method	>0.2	NEG	---	---
Silt	scalar	*Visual	NONE	LIGHT	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---	---
Sodium	ppm	ASTM D5185m		4	---	---
Boron	ppm	ASTM D5185m		103	---	---
Barium	ppm	ASTM D5185m		3	---	---
Molybdenum	ppm	ASTM D5185m		1	---	---
Manganese	ppm	ASTM D5185m		7	---	---
Magnesium	ppm	ASTM D5185m		27	---	---
Calcium	ppm	ASTM D5185m		153	---	---
Phosphorus	ppm	ASTM D5185m		2165	---	---
Zinc	ppm	ASTM D5185m		33	---	---
Sulfur	ppm	ASTM D5185m		25947	---	---
Visc @ 40°C	cSt	ASTM D445		132	---	---

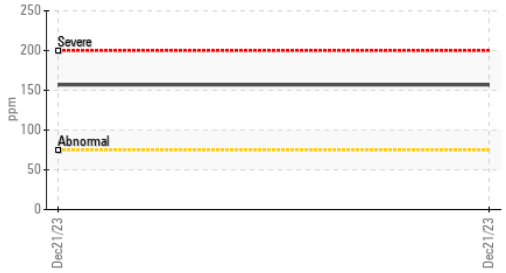
Non-ferrous Metals



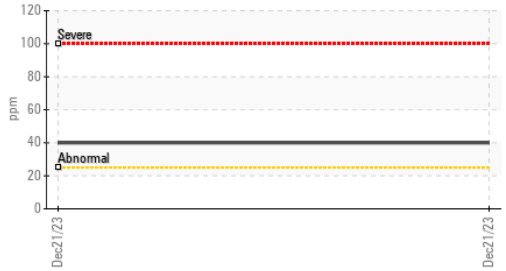
Ferrous Alloys



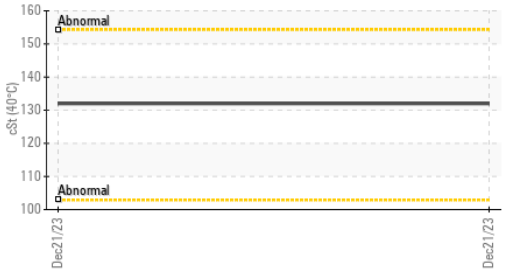
Silicon (ppm)



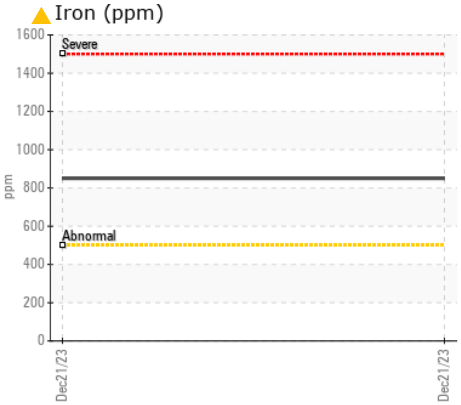
Aluminum (ppm)



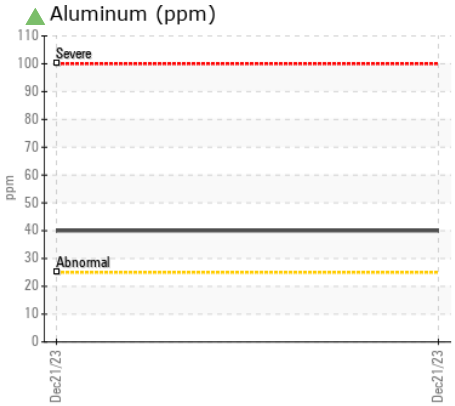
Viscosity @ 40°C



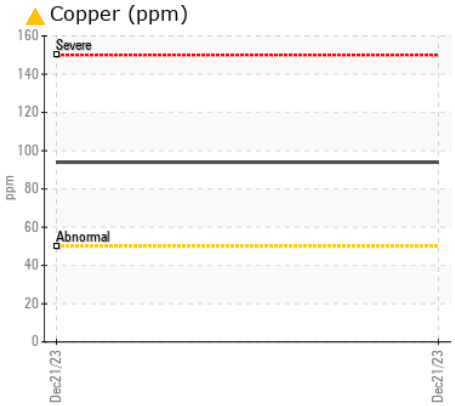
Iron (ppm)



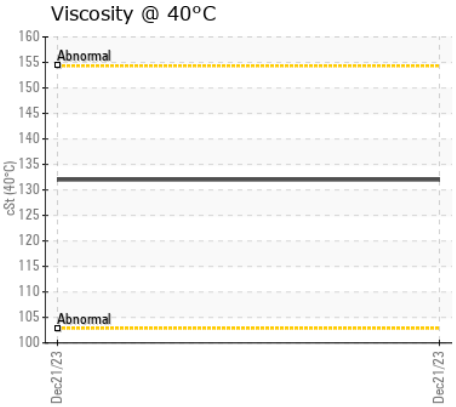
Aluminum (ppm)



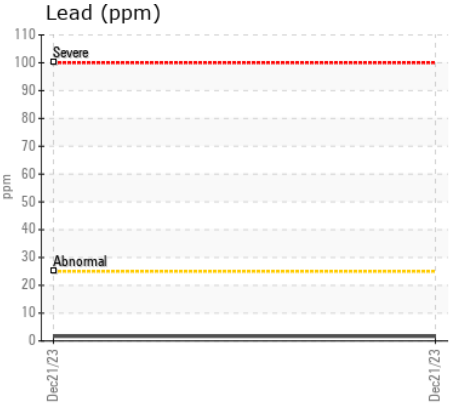
Copper (ppm)



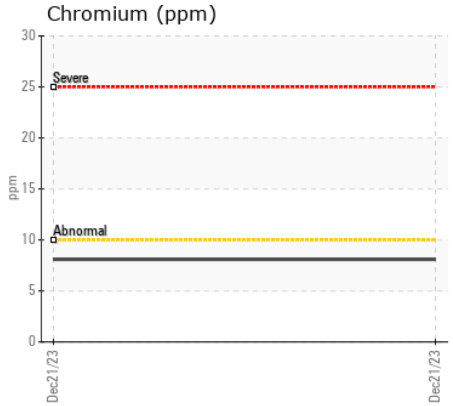
Viscosity @ 40°C



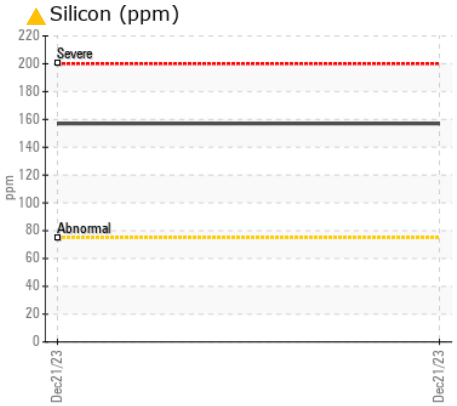
Lead (ppm)



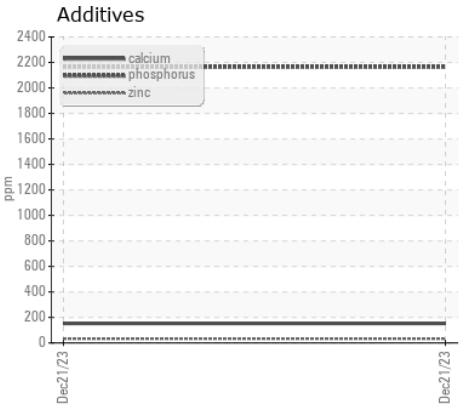
Chromium (ppm)



Silicon (ppm)



Additives



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0028812 **Recieved** : 11 Jan 2024
Lab Number : 06058903 **Diagnosed** : 15 Jan 2024
Unique Number : 10830285 **Diagnostician** : Don Baldridge
Test Package : MOB 1

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)

CONSERVIT INC.
PO BOX 1517
HAGERSTOWN, MD
US 21740
Contact: DON LONG

T: (301)791-0100
F: (301)739-8548