



PROBLEM SUMMARY

Sample Rating Trend

DIRT

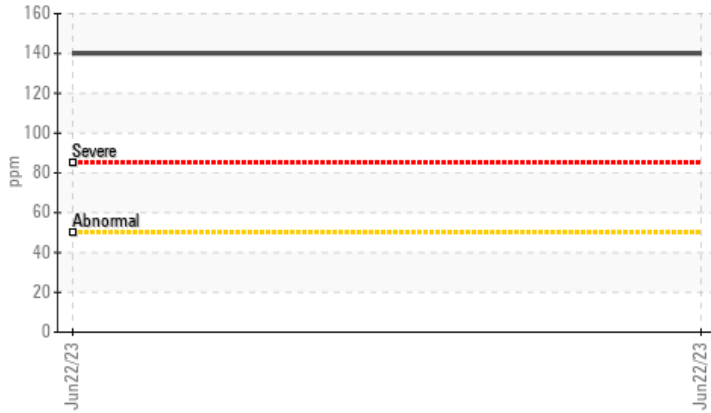


Machine Id
MACK TD-401
Component
Rear Tandem
Fluid
GEAR OIL SAE 75W90 (--- GAL)



COMPONENT CONDITION SUMMARY

▲ Silicon (ppm)



RECOMMENDATION

No corrective action is recommended at this time.
Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Silicon	ppm	ASTM D5185m	>50	▲ 140	---	---

Customer Id: ECPROA
Sample No.: WC0705228
Lab Number: 05901597
Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

DIRT



Machine Id
MACK TD-401
 Component
Rear Tandem
 Fluid
GEAR OIL SAE 75W90 (--- GAL)



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Elemental level of silicon (Si) above normal indicating ingress of seal material.

Fluid Condition

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0705228	---	---
Sample Date	Client Info	22 Jun 2023	---	---
Machine Age	mls Client Info	136256	---	---
Oil Age	mls Client Info	136256	---	---
Oil Changed	Client Info	Not Chngd	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>425	268	---	---
Chromium ppm ASTM D5185m	>5	2	---	---
Nickel ppm ASTM D5185m	>5	10	---	---
Titanium ppm ASTM D5185m		<1	---	---
Silver ppm ASTM D5185m		0	---	---
Aluminum ppm ASTM D5185m	>5	2	---	---
Lead ppm ASTM D5185m		0	---	---
Copper ppm ASTM D5185m	>8	2	---	---
Tin ppm ASTM D5185m		0	---	---
Vanadium ppm ASTM D5185m		0	---	---
Cadmium ppm ASTM D5185m		0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m	400	180	---	---
Barium ppm ASTM D5185m	200	<1	---	---
Molybdenum ppm ASTM D5185m	12	<1	---	---
Manganese ppm ASTM D5185m		6	---	---
Magnesium ppm ASTM D5185m	12	<1	---	---
Calcium ppm ASTM D5185m	150	13	---	---
Phosphorus ppm ASTM D5185m	1650	1521	---	---
Zinc ppm ASTM D5185m	125	9	---	---
Sulfur ppm ASTM D5185m	22500	29969	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>50	▲ 140	---	---
Sodium ppm ASTM D5185m		5	---	---
Potassium ppm ASTM D5185m	>20	5	---	---

VISUAL

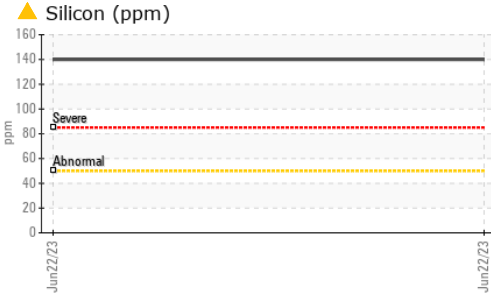
method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	NONE	---	---
Yellow Metal scalar *Visual	NONE	NONE	---	---
Precipitate scalar *Visual	NONE	NONE	---	---
Silt scalar *Visual	NONE	NONE	---	---
Debris scalar *Visual	NONE	NONE	---	---
Sand/Dirt scalar *Visual	NONE	NONE	---	---
Appearance scalar *Visual	NORML	NORML	---	---
Odor scalar *Visual	NORML	NORML	---	---
Emulsified Water scalar *Visual	>0.2	NEG	---	---
Free Water scalar *Visual		NEG	---	---

FLUID PROPERTIES

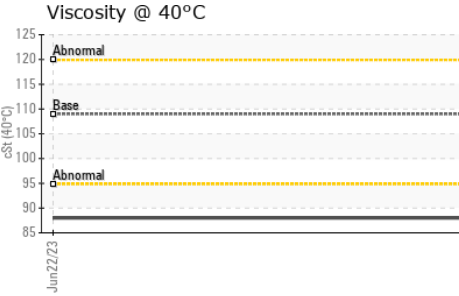
method	limit/base	current	history1	history2
Visc @ 40°C cSt ASTM D445	109	88.0	---	---



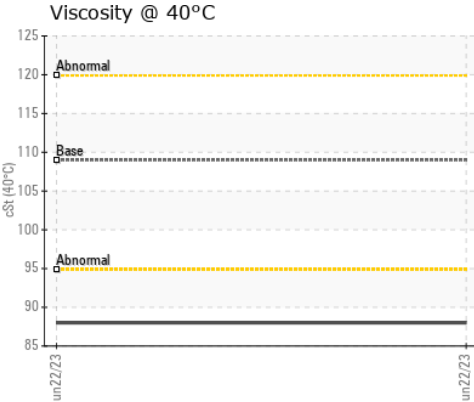
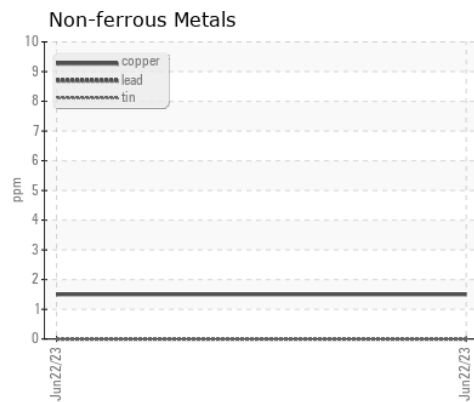
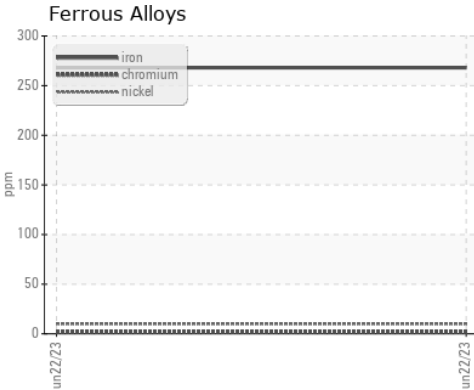
OIL ANALYSIS REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0705228 **Received** : 18 Jul 2023
Lab Number : 05901597 **Diagnosed** : 20 Jul 2023
Unique Number : 10562953 **Diagnostician** : Don Baldrige
Test Package : FLEET (Additional Tests: PrtCount)

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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)