



PROBLEM SUMMARY



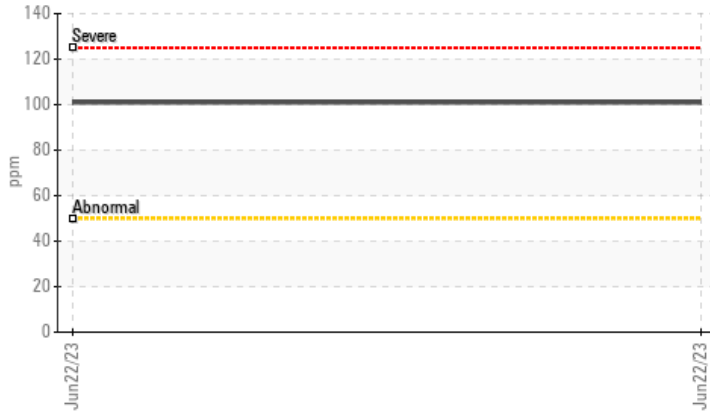
Machine Id
MACK TD-401
 Component
Gearbox
 Fluid
GEAR OIL SAE 75W90 (--- GAL)

Sample Rating Trend



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	▲ 101	---	---

Customer Id: ECPROA
 Sample No.: WC0705227
 Lab Number: 05901614
 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
Gearbox
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	WC0705227	---	---
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 >200	189	---
Chromium	ppm	ASTM D5185m >10	1	---
Nickel	ppm	ASTM D5185m >10	8	---
Titanium	ppm	ASTM D5185m	<1	---
Silver	ppm	ASTM D5185m	0	---
Aluminum	ppm	ASTM D5185m >25	2	---
Lead	ppm	ASTM D5185m >50	0	---
Copper	ppm	ASTM D5185m >200	1	---
Tin	ppm	ASTM D5185m >10	0	---
Vanadium	ppm	ASTM D5185m	0	---
Cadmium	ppm	ASTM D5185m	0	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	134	---
Barium	ppm	ASTM D5185m 200	0	---
Molybdenum	ppm	ASTM D5185m 12	<1	---
Manganese	ppm	ASTM D5185m	4	---
Magnesium	ppm	ASTM D5185m 12	3	---
Calcium	ppm	ASTM D5185m 150	20	---
Phosphorus	ppm	ASTM D5185m 1650	1230	---
Zinc	ppm	ASTM D5185m 125	9	---
Sulfur	ppm	ASTM D5185m 22500	27923	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	▲ 101	---
Sodium	ppm	ASTM D5185m	3	---
Potassium	ppm	ASTM D5185m >20	5	---

VISUAL

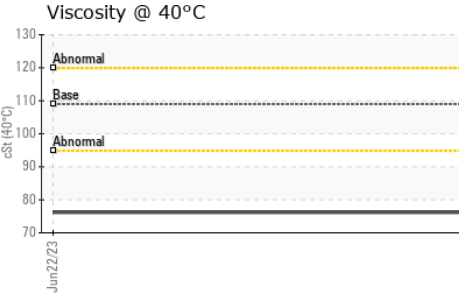
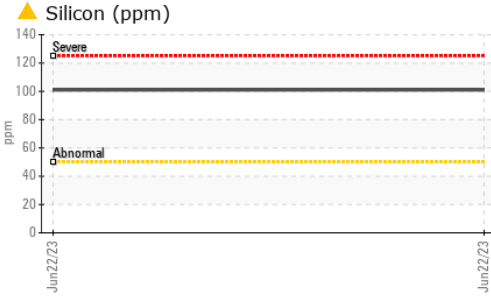
method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	---
Yellow Metal	scalar	*Visual NONE	NONE	---
Precipitate	scalar	*Visual NONE	NONE	---
Silt	scalar	*Visual NONE	LIGHT	---
Debris	scalar	*Visual NONE	NONE	---
Sand/Dirt	scalar	*Visual NONE	NONE	---
Appearance	scalar	*Visual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

FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 109	76.2	---

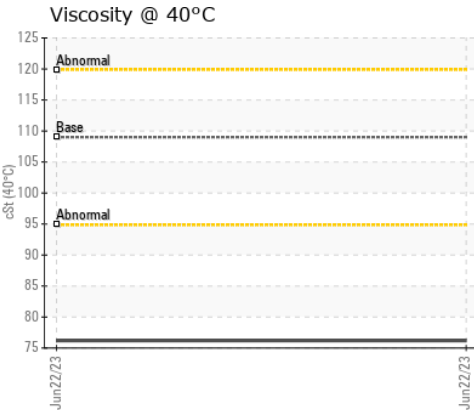
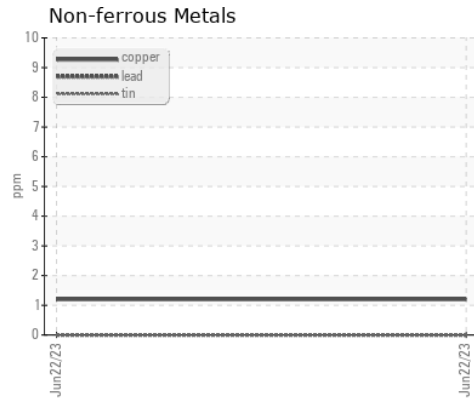
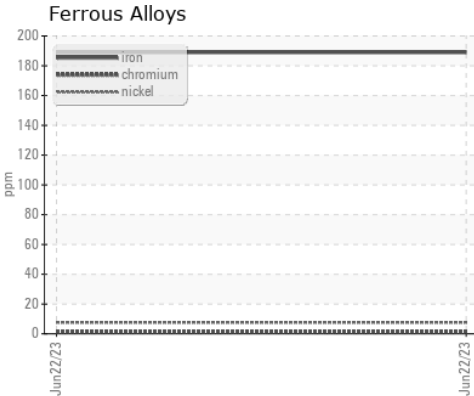


OIL ANALYSIS REPORT



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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0705227 **Received** : 18 Jul 2023
Lab Number : **05901614** **Diagnosed** : 20 Jul 2023
Unique Number : 10562970 **Diagnostician** : Don Baldrige
Test Package : FLEET (Additional Tests: PrtCount)

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Certificate L2367
 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)