



OIL ANALYSIS REPORT

Sample Rating Trend

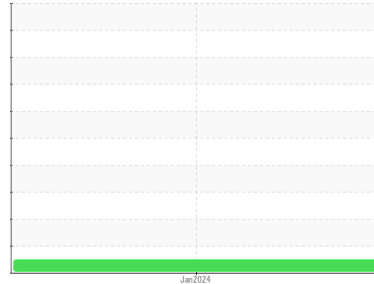
NORMAL



Machine Id
T35339

Component
Differential

Fluid
GEAR OIL SAE 90W140 (--- QTS)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 90W140. Please confirm. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

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		IL0033356	---	---
Sample Date	Client Info		17 Jan 2024	---	---
Machine Age	mls	Client Info	0	---	---
Oil Age	mls	Client Info	0	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			NORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	439	---	---
Chromium	ppm	ASTM D5185m >10	4	---	---
Nickel	ppm	ASTM D5185m >10	1	---	---
Titanium	ppm	ASTM D5185m	<1	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m >25	3	---	---
Lead	ppm	ASTM D5185m >25	<1	---	---
Copper	ppm	ASTM D5185m >100	4	---	---
Tin	ppm	ASTM D5185m >10	<1	---	---
Vanadium	ppm	ASTM D5185m	<1	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	90	---	---
Barium	ppm	ASTM D5185m 200	0	---	---
Molybdenum	ppm	ASTM D5185m 12	14	---	---
Manganese	ppm	ASTM D5185m	25	---	---
Magnesium	ppm	ASTM D5185m 12	27	---	---
Calcium	ppm	ASTM D5185m 150	88	---	---
Phosphorus	ppm	ASTM D5185m 1650	921	---	---
Zinc	ppm	ASTM D5185m 125	220	---	---
Sulfur	ppm	ASTM D5185m 22500	26187	---	---

CONTAMINANTS

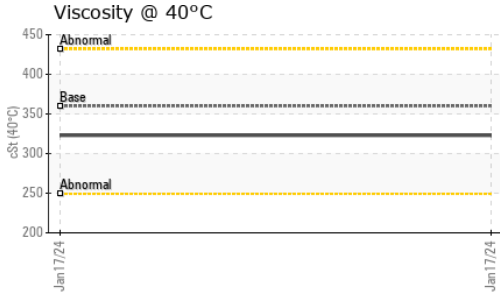
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	43	---	---
Sodium	ppm	ASTM D5185m	10	---	---
Potassium	ppm	ASTM D5185m >20	4	---	---

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	MODER	---	---
Yellow Metal	scalar	*Visual NONE	NONE	---	---
Precipitate	scalar	*Visual NONE	NONE	---	---
Silt	scalar	*Visual NONE	MODER	---	---
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 >.2	NEG	---	---
Free Water	scalar	*Visual	NEG	---	---



OIL ANALYSIS REPORT

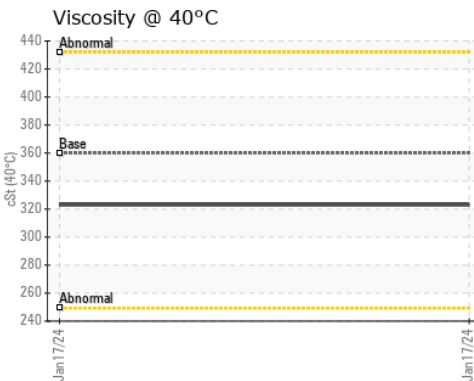
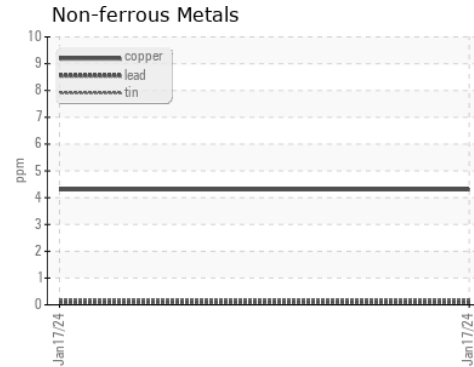
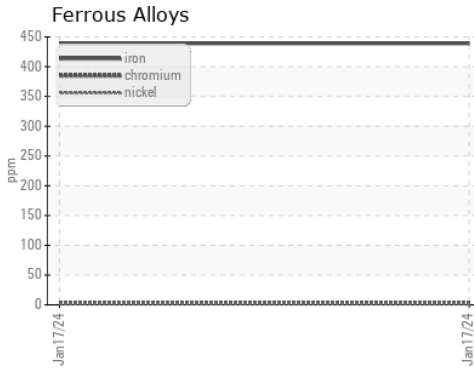


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	360	323	---	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
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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. : IL0033356 **Recieved** : 30 Jan 2024
Lab Number : **06074189** **Diagnosed** : 31 Jan 2024
Unique Number : 10856280 **Diagnostician** : Wes Davis
Test Package : FLEET

RUSH TRUCK LEASING - EFFINGHAM Idealease
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 EFFINGHAM, IL
 US 62401
 Contact: JACKIE OHNESORGE
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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)