



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
I6352
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 15W40 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		IL0012707	IL0007066	---
Sample Date		Client Info		12 Jan 2024	05 Apr 2022	---
Machine Age	mls	Client Info		0	133690	---
Oil Age	mls	Client Info		0	26094	---
Filter Age	mls	Client Info		0	26094	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	41	18	---
Chromium	ppm	ASTM D5185m	>20	2	6	---
Nickel	ppm	ASTM D5185m	>4	<1	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m	>3	<1	<1	---
Aluminum	ppm	ASTM D5185m	>20	13	3	---
Lead	ppm	ASTM D5185m	>40	10	1	---
Copper	ppm	ASTM D5185m	>330	2	<1	---
Tin	ppm	ASTM D5185m	>15	2	<1	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

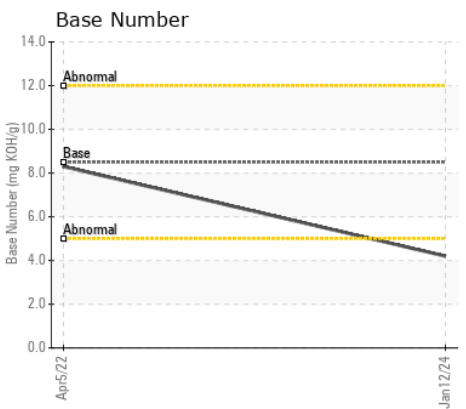
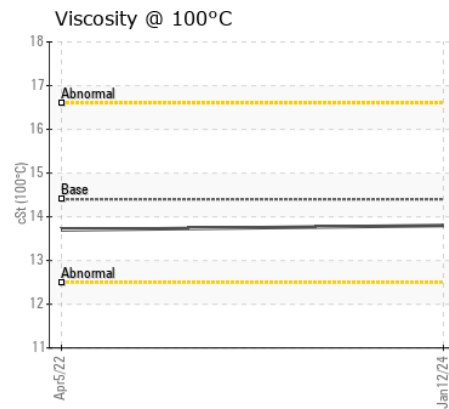
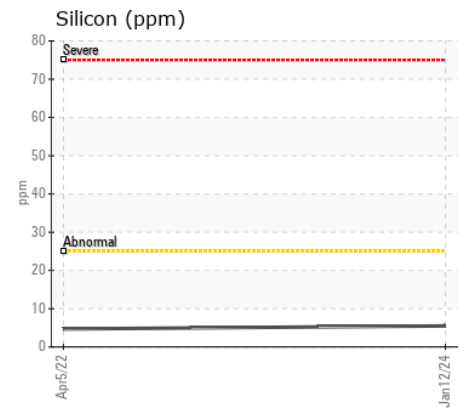
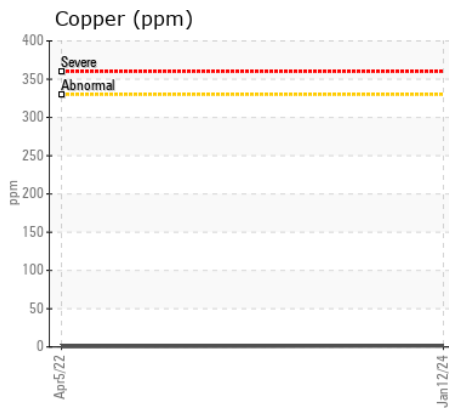
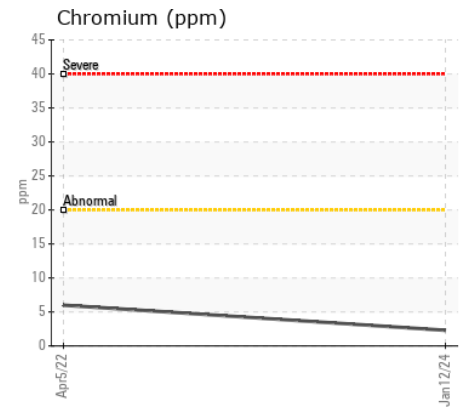
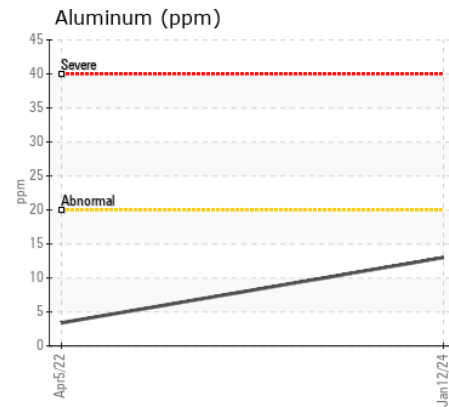
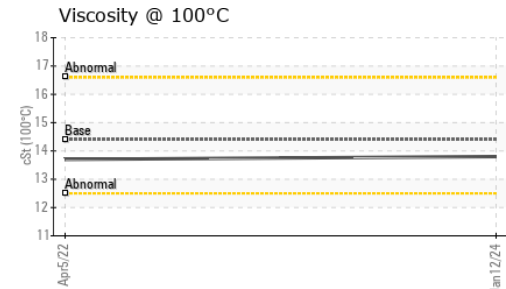
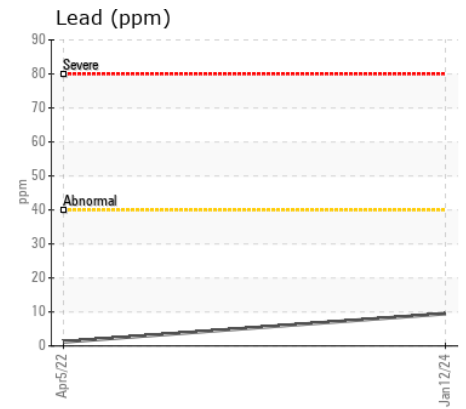
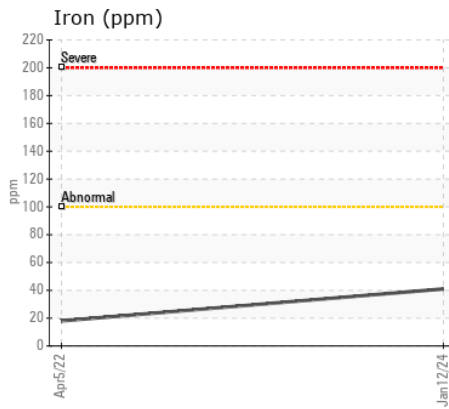
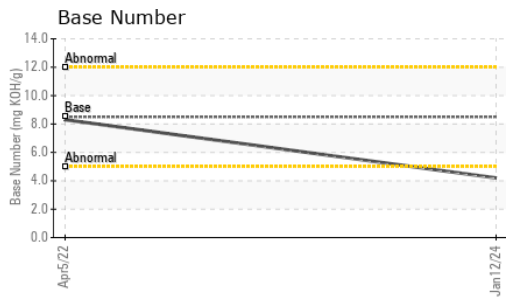
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	6	5	---
Potassium	ppm	ASTM D5185m	>20	18	3	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.7	0.3	---
Nitration	Abs/cm	*ASTM D7624	>20	13.3	9.9	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.3	21.6	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>158	5	<1	---
Boron	ppm	ASTM D5185m	250	23	44	---
Barium	ppm	ASTM D5185m	10	0	0	---
Molybdenum	ppm	ASTM D5185m	100	109	5	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m	450	735	767	---
Calcium	ppm	ASTM D5185m	3000	1335	1383	---
Phosphorus	ppm	ASTM D5185m	1150	846	756	---
Zinc	ppm	ASTM D5185m	1350	1009	852	---
Sulfur	ppm	ASTM D5185m	4250	2845	2763	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	29.1	15.0	---
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	4.2	8.3	---
Visc @ 100°C	cSt	ASTM D445	14.4	13.8	13.7	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : IL0012707 **Received** : 31 Jan 2024
Lab Number : 06075563 **Diagnosed** : 01 Feb 2024
Unique Number : 10857654 **Diagnostician** : Angela Borella
Test Package : MOB1+

RUSH TRUCK LEASING - SALT LAKE CITY IDEALEASE
 964 SOUTH 3800 WEST, BLDG B
 SALT LAKE CITY, UT
 US 84104
 Contact: JAY ALEXANDER
 AlexanderJ1@RushEnterprises.com
 T:
 F: (801)977-9381

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)