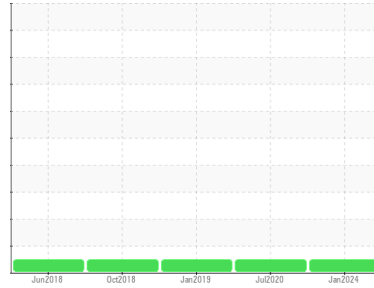




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**INTERNATIONAL I6256**  
 Component  
**Front Diesel Engine**  
 Fluid  
**DIESEL ENGINE OIL SAE 15W40 (--- QTS)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### 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.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>IL0012704</b>	IL0012629	ILMFB80043
Sample Date	Client Info		<b>10 Jan 2024</b>	23 Jul 2020	25 Jan 2019
Machine Age	hrs	Client Info	<b>0</b>	7131	171663
Oil Age	hrs	Client Info	<b>0</b>	385	22690
Oil Changed	Client Info		<b>Changed</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>2.0	<b>&lt;1.0</b>	<1.0	<1.0
Water	WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol	WC Method		<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >100	<b>11</b>	17	9
Chromium	ppm	ASTM D5185m >20	<b>&lt;1</b>	2	<1
Nickel	ppm	ASTM D5185m >4	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m	<b>0</b>	<1	0
Silver	ppm	ASTM D5185m >3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >20	<b>3</b>	2	2
Lead	ppm	ASTM D5185m >40	<b>4</b>	12	<1
Copper	ppm	ASTM D5185m >330	<b>2</b>	2	<1
Tin	ppm	ASTM D5185m >15	<b>&lt;1</b>	0	0
Antimony	ppm	ASTM D5185m	<b>---</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 250	<b>59</b>	45	33
Barium	ppm	ASTM D5185m 10	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 100	<b>83</b>	14	40
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m 450	<b>732</b>	809	466
Calcium	ppm	ASTM D5185m 3000	<b>1473</b>	1653	1669
Phosphorus	ppm	ASTM D5185m 1150	<b>881</b>	845	602
Zinc	ppm	ASTM D5185m 1350	<b>1017</b>	957	836
Sulfur	ppm	ASTM D5185m 4250	<b>3056</b>	2332	1967

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>6</b>	7	5
Sodium	ppm	ASTM D5185m >158	<b>4</b>	4	0
Potassium	ppm	ASTM D5185m >20	<b>3</b>	0	<1

## INFRA-RED

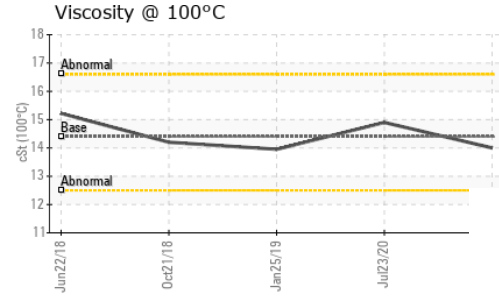
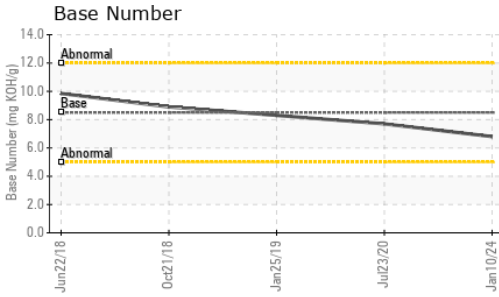
	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.4</b>	0.6	0.3
Nitration	Abs/cm	*ASTM D7624 >20	<b>12.6</b>	13	10.4
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>24.4</b>	28.4	24.2

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>23.5</b>	25.6	24.2
Base Number (BN)	mg KOH/g	ASTM D2896 8.5	<b>6.8</b>	7.7	8.3



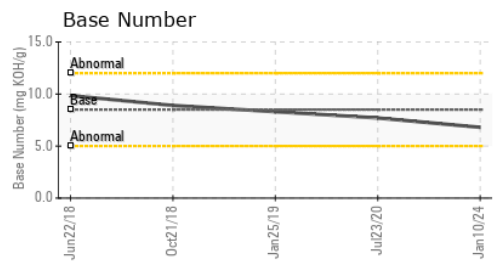
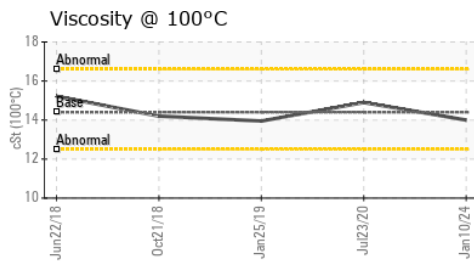
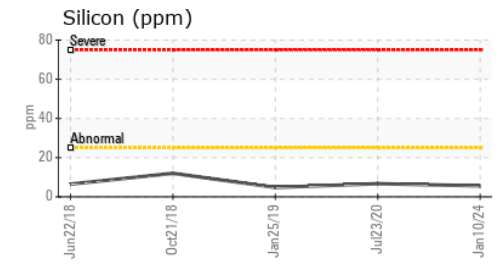
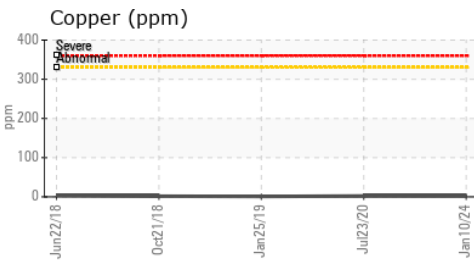
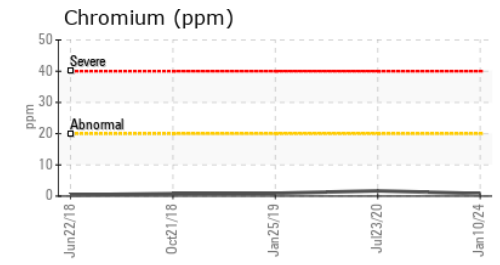
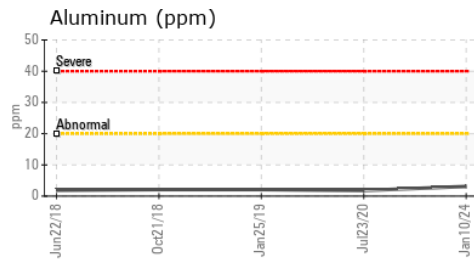
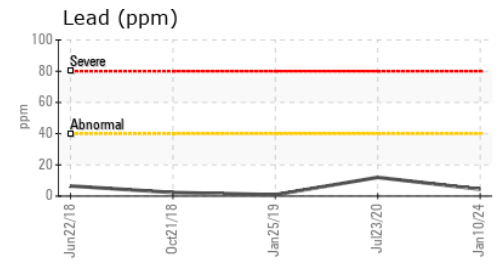
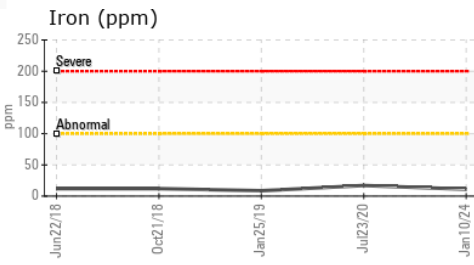
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
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
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	14.4	14.0	14.9

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : IL0012704 **Received** : 31 Jan 2024  
**Lab Number** : 06075567 **Diagnosed** : 31 Jan 2024  
**Unique Number** : 10857658 **Diagnostician** : Wes Davis  
**Test Package** : MOB1+

**RUSH TRUCK LEASING - SALT LAKE CITY IDEALEASE**  
 964 SOUTH 3800 WEST, BLDG B  
 SALT LAKE CITY, UT  
 US 84104  
**Contact: DEBBIE ANDERSON**

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)

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