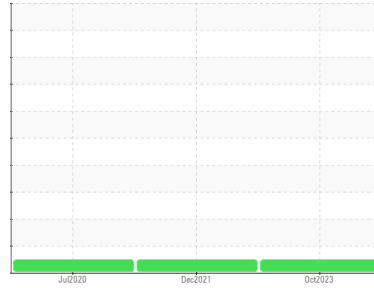




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**29214**

Component  
**Diesel Engine**

Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (--- 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>IL0033326</b>	IL0015578	IL0008993
Sample Date	Client Info		<b>26 Oct 2023</b>	29 Dec 2021	03 Jul 2020
Machine Age	mls	Client Info	<b>329951</b>	211629	139507
Oil Age	mls	Client Info	<b>27103</b>	8549	24688
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	>5	<b>&lt;1.0</b>	<1.0	<1.0
Glycol	WC Method		<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >100	<b>20</b>	15	22
Chromium	ppm	ASTM D5185m >20	<b>1</b>	<1	2
Nickel	ppm	ASTM D5185m >4	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m >3	<b>&lt;1</b>	0	<1
Aluminum	ppm	ASTM D5185m >20	<b>3</b>	8	7
Lead	ppm	ASTM D5185m >40	<b>5</b>	<1	4
Copper	ppm	ASTM D5185m >330	<b>2</b>	<1	2
Tin	ppm	ASTM D5185m >15	<b>&lt;1</b>	<1	0
Antimony	ppm	ASTM D5185m	<b>---</b>	<1	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0	<b>20</b>	65	39
Barium	ppm	ASTM D5185m 0	<b>4</b>	0	<1
Molybdenum	ppm	ASTM D5185m 0	<b>31</b>	9	6
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m 0	<b>619</b>	670	86
Calcium	ppm	ASTM D5185m	<b>1459</b>	1399	2282
Phosphorus	ppm	ASTM D5185m	<b>773</b>	719	859
Zinc	ppm	ASTM D5185m	<b>910</b>	886	1096
Sulfur	ppm	ASTM D5185m	<b>2873</b>	2416	2564

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>7</b>	6	7
Sodium	ppm	ASTM D5185m	<b>0</b>	<1	3
Potassium	ppm	ASTM D5185m >20	<b>9</b>	10	27

## INFRA-RED

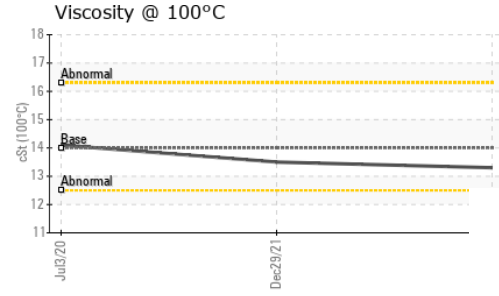
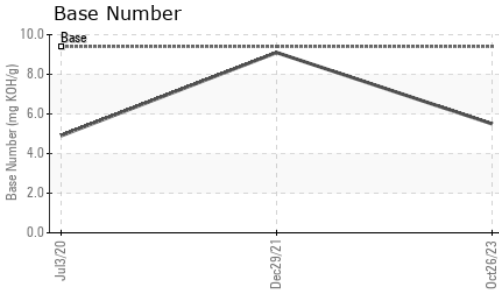
	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.3</b>	0.2	0.3
Nitration	Abs/cm	*ASTM D7624 >20	<b>11.1</b>	9.7	10.7
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>25.5</b>	22.0	26.6

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>25.8</b>	17.0	23.4
Base Number (BN)	mg KOH/g	ASTM D2896 9.4	<b>5.5</b>	9.1	4.9



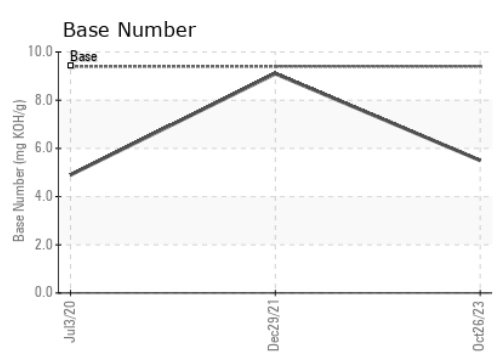
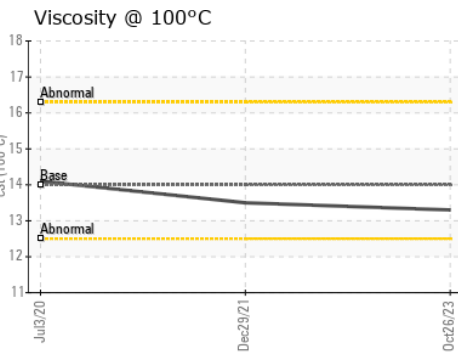
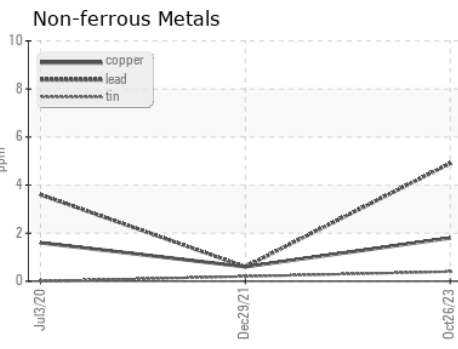
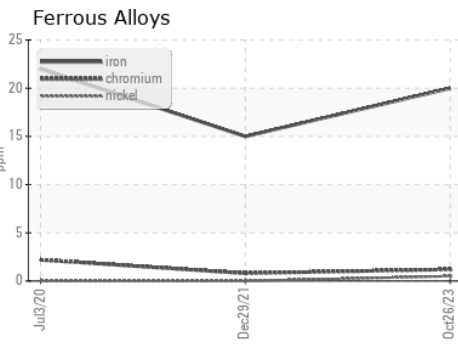
# OIL ANALYSIS REPORT



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	<b>13.3</b>	13.5	14.1

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : IL0033326 **Received** : 31 Oct 2023  
**Lab Number** : 05994952 **Diagnosed** : 02 Nov 2023  
**Unique Number** : 10723312 **Diagnostician** : Don Baldrige  
**Test Package** : FLEET

**RUSH TRUCK LEASING - EFFINGHAM Idealease**  
 1701 WEST FAYETTE AVENUE  
 EFFINGHAM, IL  
 US 62401  
 Contact: JACKIE OHNESORGE  
 ohnesorgej@rushenterprises.com  
 T: (217)342-9761  
 F: (217)342-9642

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)