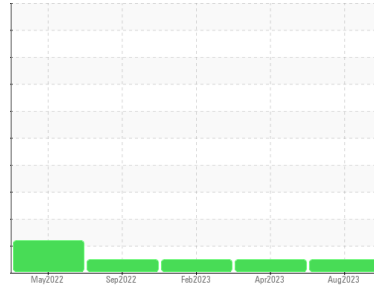




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**625072**

Component  
**Diesel Engine**

Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (--- QTS)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. 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 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>IL0027071</b>	IL0027058	IL0027133
Sample Date	Client Info			<b>22 Aug 2023</b>	13 Apr 2023	22 Feb 2023
Machine Age	mls	Client Info		<b>121213</b>	108126	102000
Oil Age	mls	Client Info		<b>13087</b>	5267	14209
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>8</b>	5	10
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>4</b>	2	5
Lead	ppm	ASTM D5185m	>40	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>330	<b>&lt;1</b>	0	0
Tin	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<b>35</b>	54	25
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>42</b>	34	34
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>562</b>	672	810
Calcium	ppm	ASTM D5185m		<b>1503</b>	1466	1349
Phosphorus	ppm	ASTM D5185m		<b>737</b>	808	779
Zinc	ppm	ASTM D5185m		<b>974</b>	993	1063
Sulfur	ppm	ASTM D5185m		<b>3105</b>	3298	3395

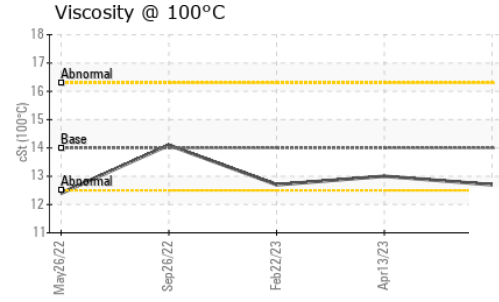
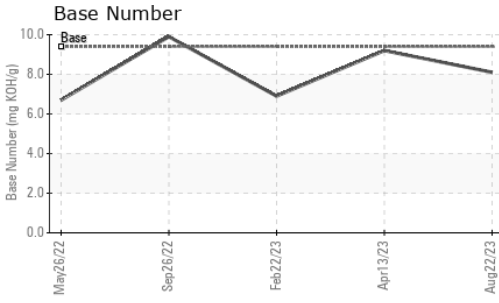
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>4</b>	6	4
Sodium	ppm	ASTM D5185m		<b>1</b>	1	1
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	2	7

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>0.2</b>	0.1	0.2
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.3</b>	7.1	9.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>22.8</b>	21.7	21.5

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>23.2</b>	19.4	19.0
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>8.1</b>	9.2	6.9



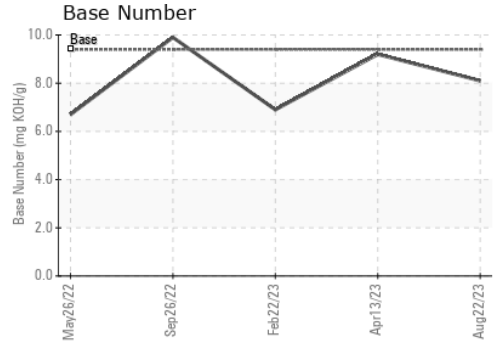
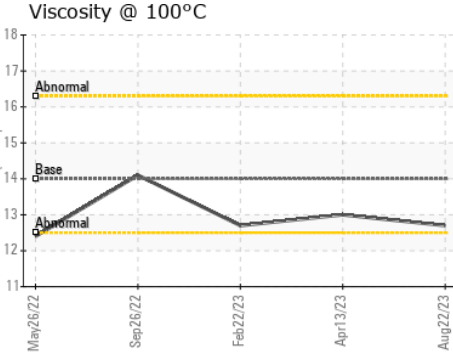
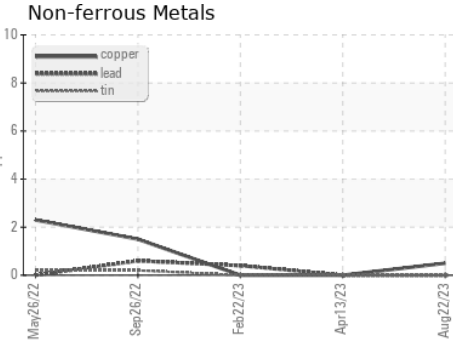
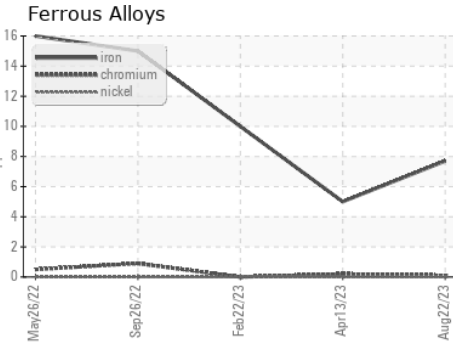
# OIL ANALYSIS REPORT



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	12.7	13.0	12.7

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : IL0027071 **Received** : 29 Sep 2023  
**Lab Number** : 05965049 **Diagnosed** : 30 Sep 2023  
**Unique Number** : 10671600 **Diagnostician** : Wes Davis  
**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

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)