



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**623669**  
Component  
**Diesel Engine**  
Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (--- GAL)**

### 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		<b>IL0033144</b>	IL0024678	IL0024658
Sample Date		Client Info		<b>28 Dec 2023</b>	07 Jan 2023	09 Sep 2022
Machine Age	mls	Client Info		<b>233740</b>	216217	200325
Oil Age	mls	Client Info		<b>17523</b>	0	0
Filter Age	mls	Client Info		<b>17523</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	N/A	N/A
Filter Changed		Client Info		<b>Changed</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>44</b>	24	16
Chromium	ppm	ASTM D5185m	>20	<b>1</b>	1	<1
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>13</b>	8	4
Lead	ppm	ASTM D5185m	>40	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>330	<b>4</b>	2	2
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

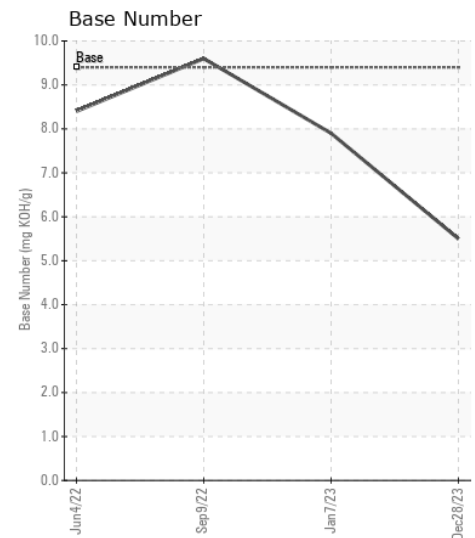
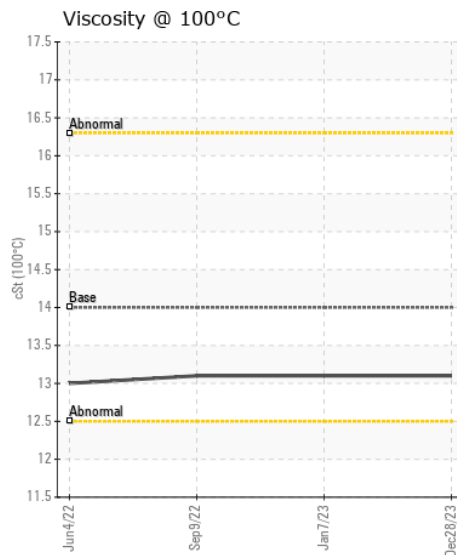
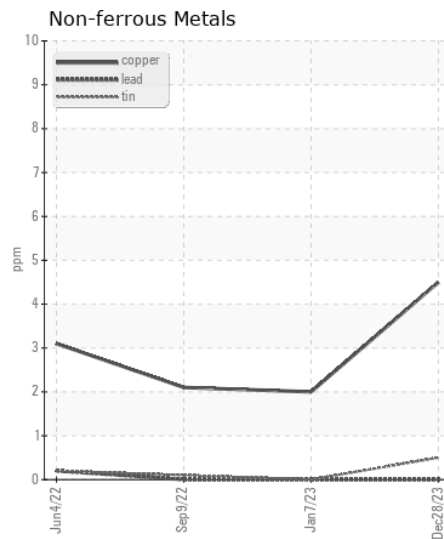
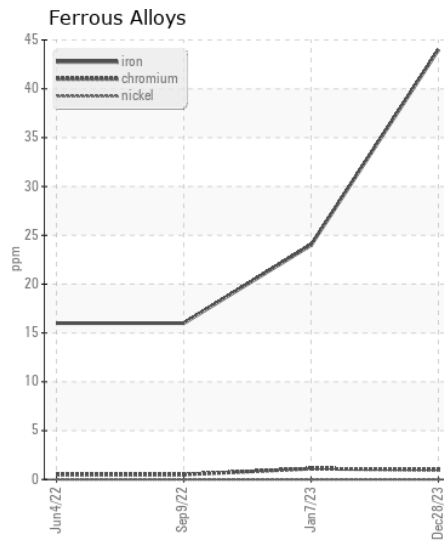
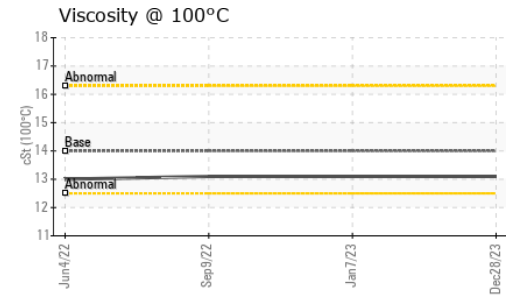
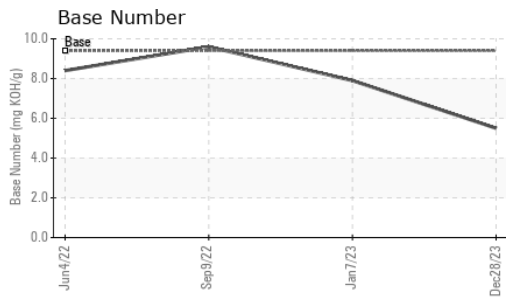
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>10</b>	8	5
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	5	3
Fuel		WC Method	>5	<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
Soot %	%	*ASTM D7844	>3	<b>1.1</b>	0.5	0.5
Nitration	Abs/cm	*ASTM D7624	>20	<b>13.6</b>	9.0	9.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>26.5</b>	21.5	23.5
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	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		<b>3</b>	<1	<1
Boron	ppm	ASTM D5185m	0	<b>35</b>	115	9
Barium	ppm	ASTM D5185m	0	<b>0</b>	2	0
Molybdenum	ppm	ASTM D5185m	0	<b>71</b>	69	56
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>667</b>	716	843
Calcium	ppm	ASTM D5185m		<b>1344</b>	1411	1256
Phosphorus	ppm	ASTM D5185m		<b>784</b>	1000	1019
Zinc	ppm	ASTM D5185m		<b>1008</b>	1189	1239
Sulfur	ppm	ASTM D5185m		<b>2637</b>	2842	3656
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>24.3</b>	18.1	20.3
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>5.5</b>	7.9	9.6
Visc @ 100°C	cSt	ASTM D445	14	<b>13.1</b>	13.1	13.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : IL0033144 **Received** : 01 Feb 2024  
**Lab Number** : 06077473 **Diagnosed** : 02 Feb 2024  
**Unique Number** : 10859564 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

**RUSH TRUCK LEASING - BOISE IDEALEASE**  
 770 WEST AMITY ROAD  
 BOISE, ID  
 US 83705  
 Contact: MATT BORCHARDT  
 borchartm@rushenterprises.com  
 T:  
 F: (208)639-4859

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)