



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**I4511**  
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>IL0033142</b>	IL0024662	IL0014598
Sample Date		Client Info		<b>14 Dec 2023</b>	04 Nov 2022	08 Jun 2022
Machine Age	mls	Client Info		<b>85061</b>	58348	0
Oil Age	mls	Client Info		<b>10759</b>	0	0
Filter Age	mls	Client Info		<b>10759</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>26</b>	112	54
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	<1
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>3</b>	5	4
Lead	ppm	ASTM D5185m	>40	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>330	<b>1</b>	6	3
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	<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

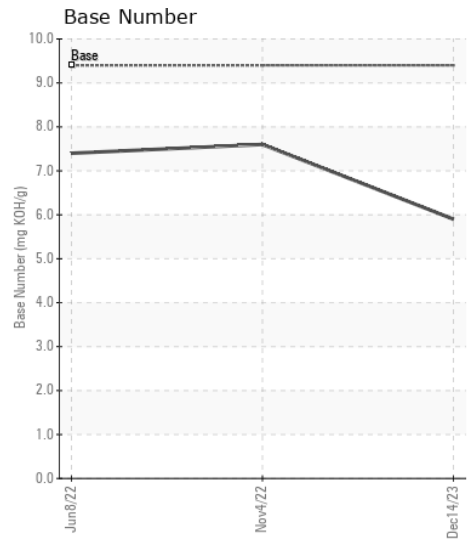
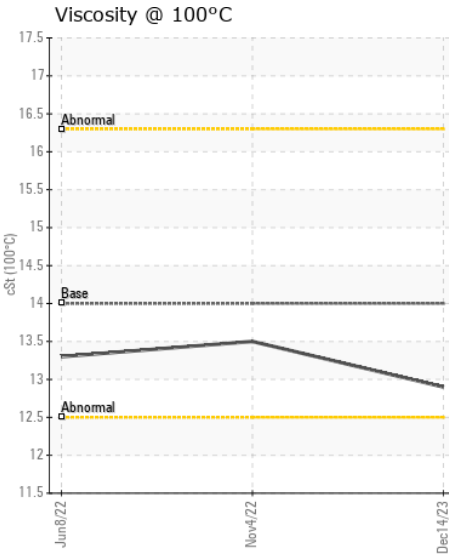
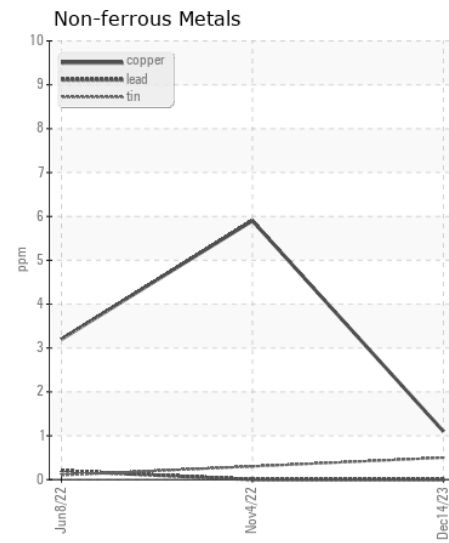
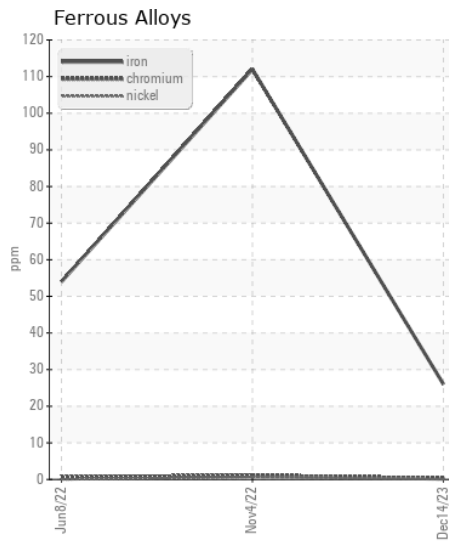
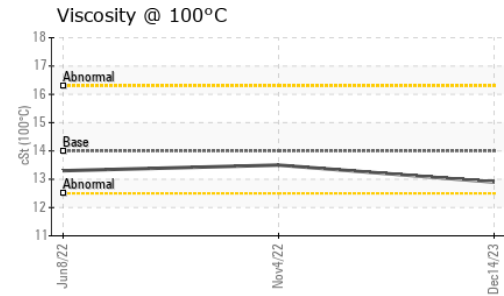
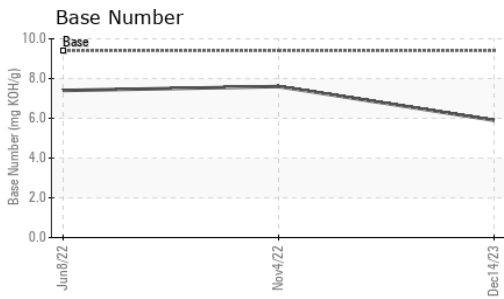
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>5</b>	9	6
Potassium	ppm	ASTM D5185m	>20	<b>23</b>	6	8
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>0.6</b>	1.3	1.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>10.7</b>	13.8	12.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>20.5</b>	28.5	25.3
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>5</b>	3	2
Boron	ppm	ASTM D5185m	0	<b>53</b>	37	63
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>107</b>	6	5
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	1	<1
Magnesium	ppm	ASTM D5185m	0	<b>631</b>	701	675
Calcium	ppm	ASTM D5185m		<b>1174</b>	1349	1316
Phosphorus	ppm	ASTM D5185m		<b>714</b>	705	697
Zinc	ppm	ASTM D5185m		<b>848</b>	853	840
Sulfur	ppm	ASTM D5185m		<b>2868</b>	3158	3506
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>17.7</b>	21.2	18.2
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>5.9</b>	7.6	7.4
Visc @ 100°C	cSt	ASTM D445	14	<b>12.9</b>	13.5	13.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : IL0033142 **Received** : 01 Feb 2024  
**Lab Number** : 06077470 **Diagnosed** : 02 Feb 2024  
**Unique Number** : 10859561 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

**RUSH TRUCK LEASING - BOISE IDEALEASE**  
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 US 83705  
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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)