



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

Machine Id  
**G19**  
 Component  
**Diesel Engine**  
 Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>IL0033143</b>	IL0029438	IL0024686
Sample Date		Client Info		<b>27 Dec 2023</b>	08 Sep 2023	11 Nov 2022
Machine Age	mls	Client Info		<b>188487</b>	180190	162144
Oil Age	mls	Client Info		<b>8297</b>	12013	0
Filter Age	mls	Client Info		<b>8297</b>	12013	0
Oil Changed		Client Info		<b>Changed</b>	Changed	N/A
Filter Changed		Client Info		<b>Changed</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>16</b>	18	58
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	2
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>6</b>	3	13
Lead	ppm	ASTM D5185m	>40	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>330	<b>&lt;1</b>	<1	4
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

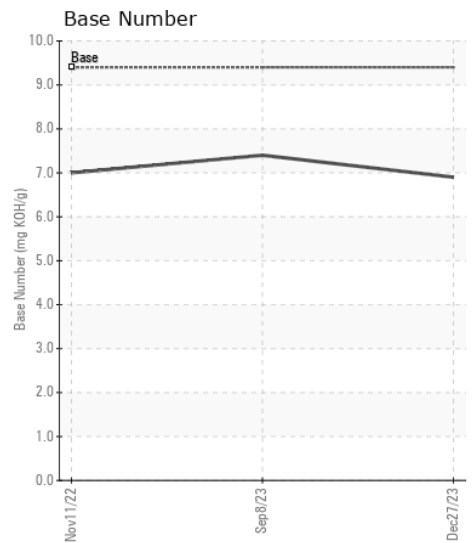
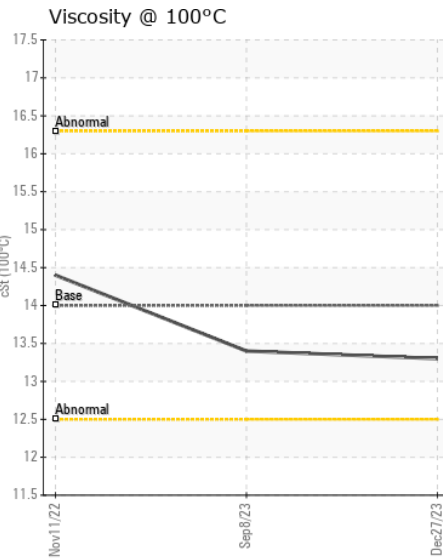
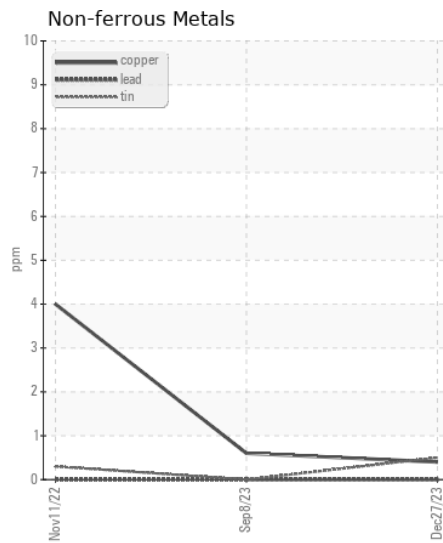
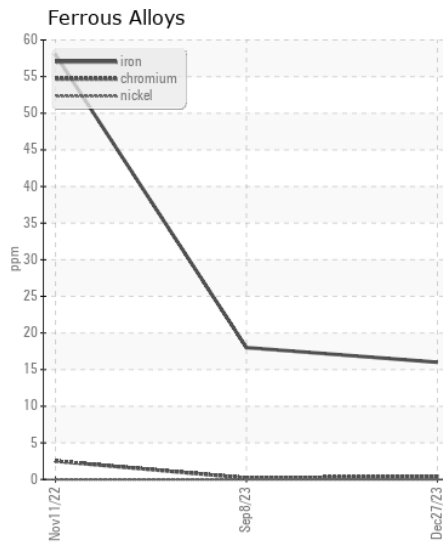
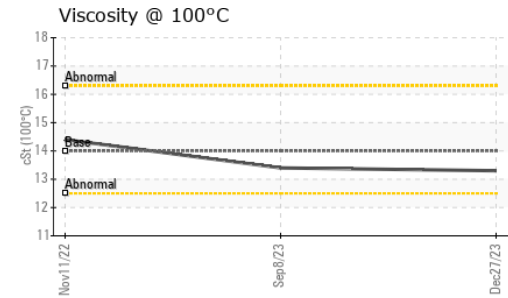
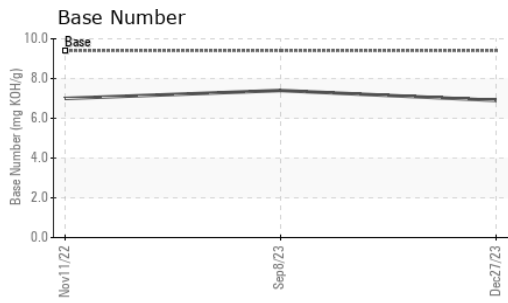
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>6</b>	6	9
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	2	19
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>0.5</b>	0.4	1
Nitration	Abs/cm	*ASTM D7624	>20	<b>10.3</b>	9.7	15.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.5</b>	19.7	30.5
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 acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>2</b>	2	1
Boron	ppm	ASTM D5185m	0	<b>97</b>	39	26
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>117</b>	89	30
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	1
Magnesium	ppm	ASTM D5185m	0	<b>661</b>	760	574
Calcium	ppm	ASTM D5185m		<b>1213</b>	1372	1769
Phosphorus	ppm	ASTM D5185m		<b>776</b>	836	883
Zinc	ppm	ASTM D5185m		<b>897</b>	1051	1021
Sulfur	ppm	ASTM D5185m		<b>3016</b>	2870	3293
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>16.6</b>	17.9	26.5
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>6.9</b>	7.4	7
Visc @ 100°C	cSt	ASTM D445	14	<b>13.3</b>	13.4	14.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : IL0033143 **Received** : 01 Feb 2024  
**Lab Number** : 06077472 **Diagnosed** : 04 Feb 2024  
**Unique Number** : 10859563 **Diagnostician** : Don Baldrige  
**Test Package** : FLEET

**RUSH TRUCK LEASING - BOISE IDEALEASE**  
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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)