



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**441323**  
 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>IL0030515</b>	IL0026638	IL0022794
Sample Date		Client Info		<b>09 Nov 2023</b>	22 Nov 2022	24 May 2022
Machine Age	mls	Client Info		<b>75568</b>	58963	49465
Oil Age	mls	Client Info		<b>59576</b>	0	6494
Filter Age	mls	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</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>63</b>	27	23
Chromium	ppm	ASTM D5185m	>20	<b>1</b>	<1	1
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>20	<b>19</b>	20	17
Lead	ppm	ASTM D5185m	>40	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>330	<b>10</b>	<1	<1
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

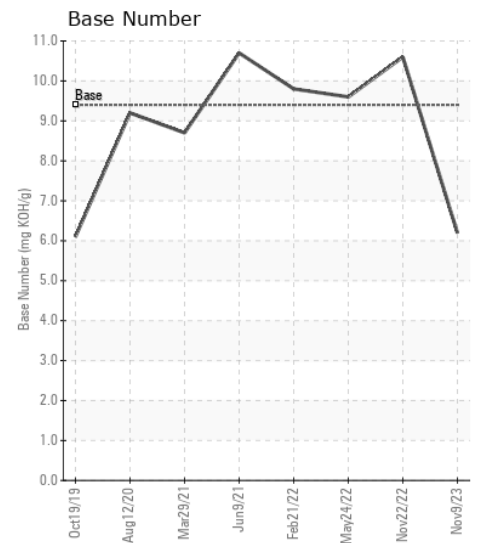
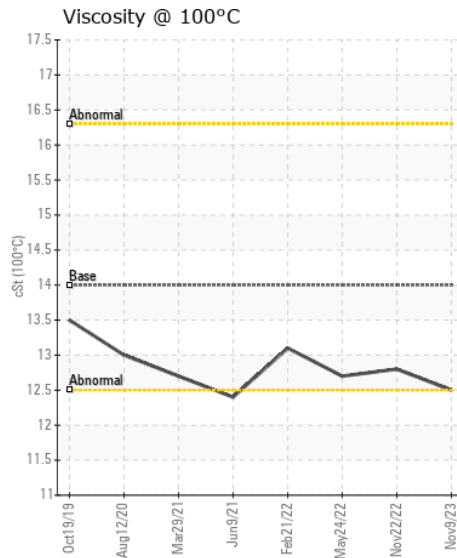
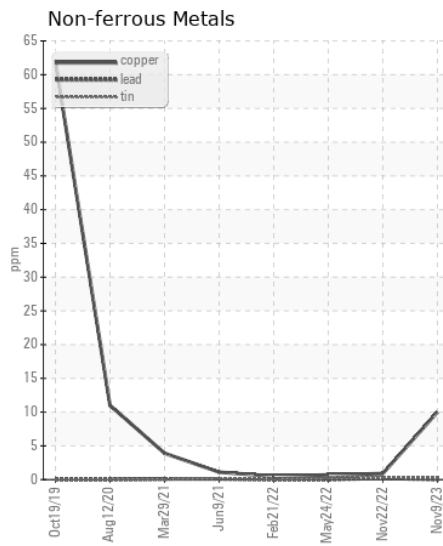
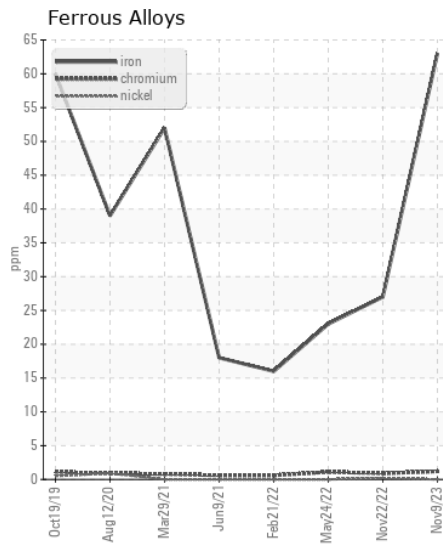
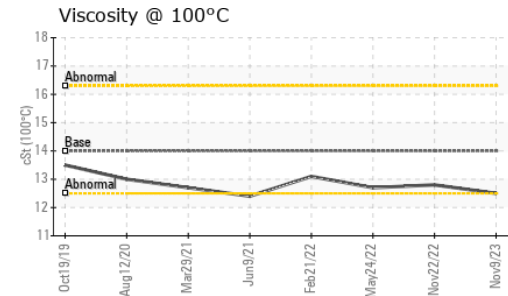
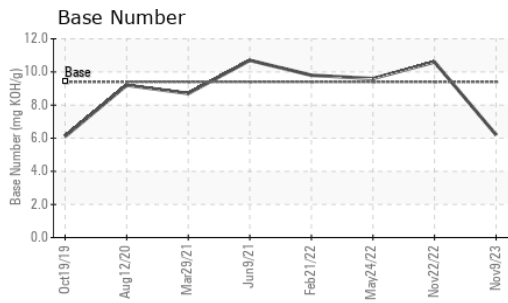
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>10</b>	7	7
Potassium	ppm	ASTM D5185m	>20	<b>36</b>	34	31
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>0.8</b>	0.4	0.3
Nitration	Abs/cm	*ASTM D7624	>20	<b>12.8</b>	10.2	7.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>24.3</b>	22.9	22.2
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>	2	2
Boron	ppm	ASTM D5185m	0	<b>4</b>	21	88
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>66</b>	54	48
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>974</b>	775	484
Calcium	ppm	ASTM D5185m		<b>1125</b>	1399	1546
Phosphorus	ppm	ASTM D5185m		<b>974</b>	891	719
Zinc	ppm	ASTM D5185m		<b>1268</b>	1122	896
Sulfur	ppm	ASTM D5185m		<b>3029</b>	3224	2443
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>21.0</b>	20.4	20.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>6.2</b>	10.6	9.6
Visc @ 100°C	cSt	ASTM D445	14	<b>12.5</b>	12.8	12.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : IL0030515 **Received** : 18 Jan 2024  
**Lab Number** : 06064828 **Diagnosed** : 21 Jan 2024  
**Unique Number** : 10836210 **Diagnostician** : Don Baldridge  
**Test Package** : FLEET

**RUSH TRUCK LEASING - CHARLOTTE 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)