



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**150147**  
Component  
**Diesel Engine**  
Fluid  
**MOBIL DELVAC 1300 SUPER 15W40 (21 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>IL0033858</b>	IL0030625	IL0030560
Sample Date		Client Info		<b>17 Jun 2024</b>	04 Mar 2024	13 Dec 2023
Machine Age	hrs	Client Info		<b>9563</b>	8886	317840
Oil Age	hrs	Client Info		<b>0</b>	0	317840
Filter Age	hrs	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	>90	<b>39</b>	16	13
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>12</b>	6	6
Lead	ppm	ASTM D5185m	>40	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>330	<b>3</b>	0	<1
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

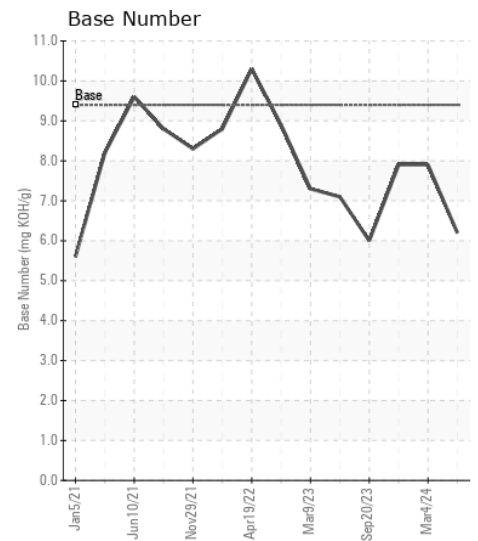
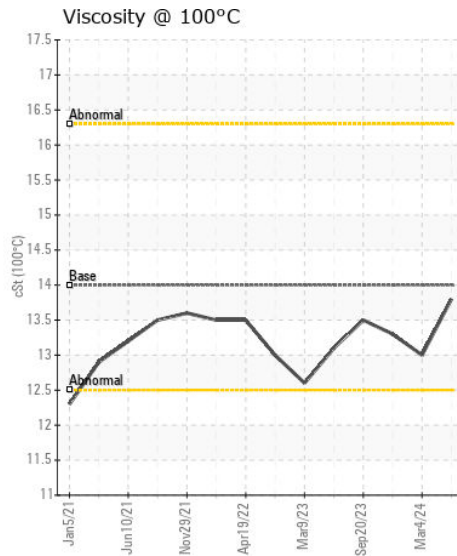
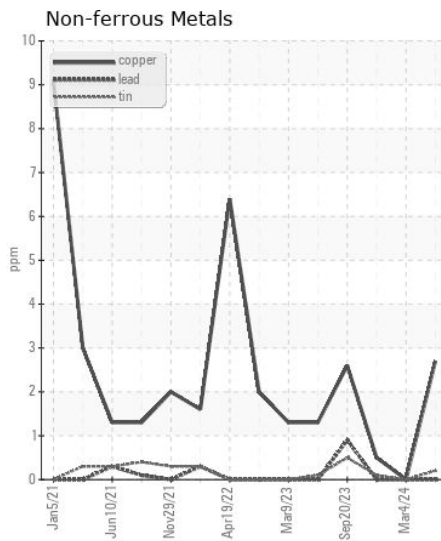
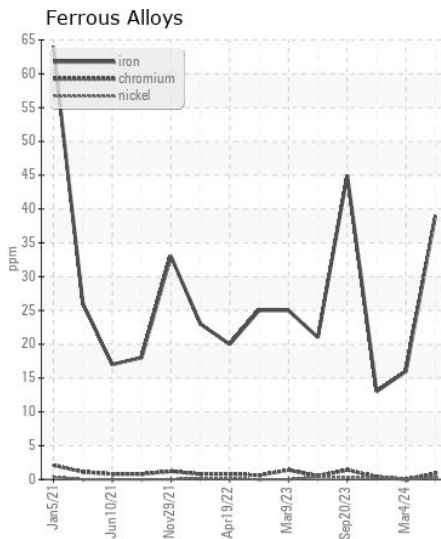
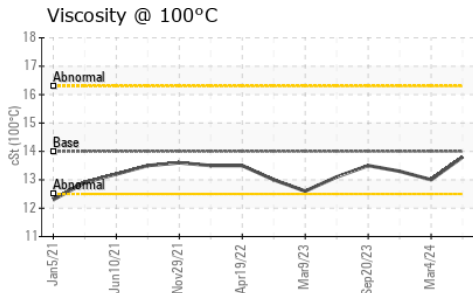
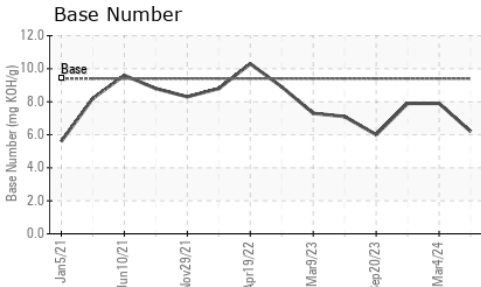
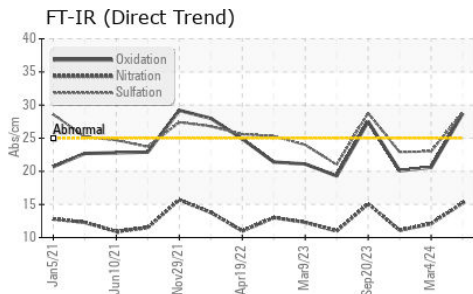
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>7</b>	4	5
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	<1	0
Fuel		WC Method	>3.0	<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	>6	<b>1.1</b>	0.6	0.7
Nitration	Abs/cm	*ASTM D7624	>20	<b>15.2</b>	12.1	11.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>28.9</b>	23.0	22.9
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>4</b>	0	0
Boron	ppm	ASTM D5185m	0	<b>5</b>	2	2
Barium	ppm	ASTM D5185m	0	<b>0</b>	1	0
Molybdenum	ppm	ASTM D5185m	0	<b>74</b>	67	66
Manganese	ppm	ASTM D5185m		<b>1</b>	0	<1
Magnesium	ppm	ASTM D5185m	0	<b>1125</b>	1039	1012
Calcium	ppm	ASTM D5185m		<b>1320</b>	1117	1105
Phosphorus	ppm	ASTM D5185m		<b>1222</b>	1126	1116
Zinc	ppm	ASTM D5185m		<b>1505</b>	1328	1362
Sulfur	ppm	ASTM D5185m		<b>3727</b>	2888	3235
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>28.7</b>	20.6	20.1
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>6.2</b>	7.9	7.9
Visc @ 100°C	cSt	ASTM D445	14	<b>13.8</b>	13.0	13.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : IL0033858

**Lab Number** : 06212847

**Unique Number** : 11085711

**Test Package** : FLEET

**Received** : 17 Jun 2024

**Tested** : 19 Jun 2024

**Diagnosed** : 19 Jun 2024 - Angela Borella

**RUSH TRUCK LEASING - CHARLOTTE IDEALEASE**

1333 AMERON DR

CHARLOTTE, NC

US 28206

Contact: JERRY DIXON

dixonj@rushenterprises.com

T: (704)333-4507

F: (704)333-4508

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)