



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

Machine Id  
**INTERNATIONAL 441305**  
Component  
**Diesel Engine**  
Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (--- QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>IL0030580</b>	IL0024313	IL0021751
Sample Date		Client Info		<b>09 Jan 2024</b>	16 Feb 2022	16 Sep 2021
Machine Age	mls	Client Info		<b>78942</b>	64158	53952
Oil Age	mls	Client Info		<b>14784</b>	11000	20000
Filter Age	mls	Client Info		<b>0</b>	11000	0
Oil Changed		Client Info		<b>N/A</b>	Changed	N/A
Filter Changed		Client Info		<b>N/A</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>18</b>	25	12
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	>3	<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185m	>20	<b>6</b>	11	8
Lead	ppm	ASTM D5185m	>40	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m	>330	<b>8</b>	3	2
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

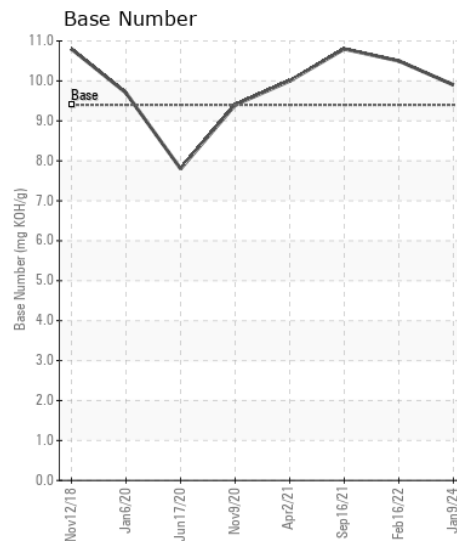
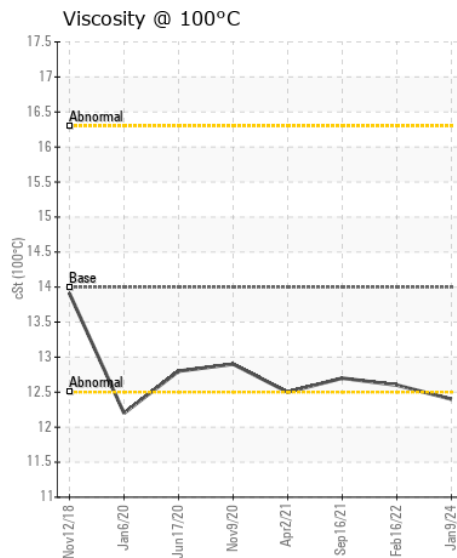
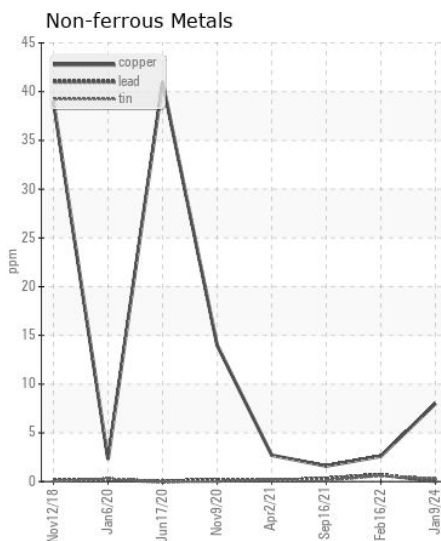
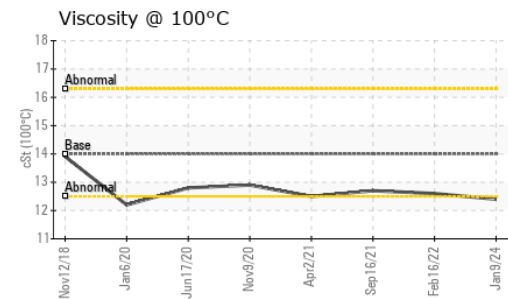
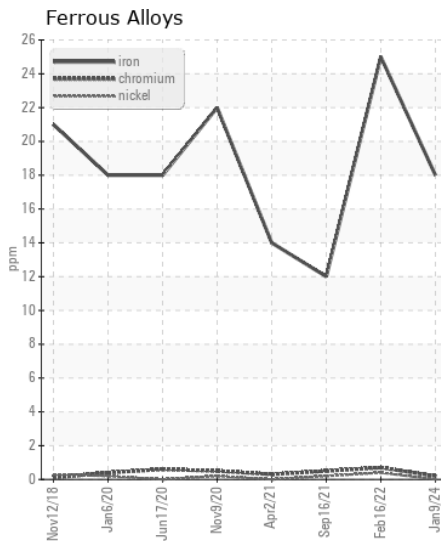
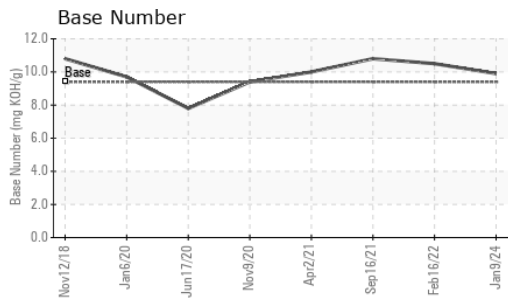
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>6</b>	7	5
Potassium	ppm	ASTM D5185m	>20	<b>9</b>	15	12
Fuel		WC Method	>2.0	<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	>3	<b>0.3</b>	0.6	0.2
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.2</b>	10.1	6.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>18.9</b>	23.5	21.6
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>2</b>	3	0
Boron	ppm	ASTM D5185m	0	<b>13</b>	38	56
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>58</b>	38	35
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>897</b>	530	548
Calcium	ppm	ASTM D5185m		<b>1149</b>	1744	1650
Phosphorus	ppm	ASTM D5185m		<b>1020</b>	770	790
Zinc	ppm	ASTM D5185m		<b>1203</b>	903	965
Sulfur	ppm	ASTM D5185m		<b>3301</b>	2379	2764
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>15.4</b>	22.7	18.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>9.9</b>	10.5	10.8
Visc @ 100°C	cSt	ASTM D445	14	<b>12.4</b>	12.6	12.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : IL0030580 **Received** : 18 Jan 2024  
**Lab Number** : 06064844 **Diagnosed** : 19 Jan 2024  
**Unique Number** : 10836226 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

**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)