



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

Machine Id  
**INTERNATIONAL 441284**  
Component  
**Diesel Engine**  
Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (46 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>IL0030521</b>	IL0024351	IL0019818
Sample Date		Client Info		<b>16 Nov 2023</b>	12 Jan 2022	11 May 2021
Machine Age	mls	Client Info		<b>271551</b>	240366	0
Oil Age	mls	Client Info		<b>31185</b>	30000	0
Filter Age	mls	Client Info		<b>0</b>	30000	0
Oil Changed		Client Info		<b>N/A</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>165	<b>23</b>	28	40
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	2
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m	>2	<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	>2	<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185m	>20	<b>3</b>	3	5
Lead	ppm	ASTM D5185m	>150	<b>1</b>	1	5
Copper	ppm	ASTM D5185m	>90	<b>&lt;1</b>	<1	1
Tin	ppm	ASTM D5185m	>5	<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

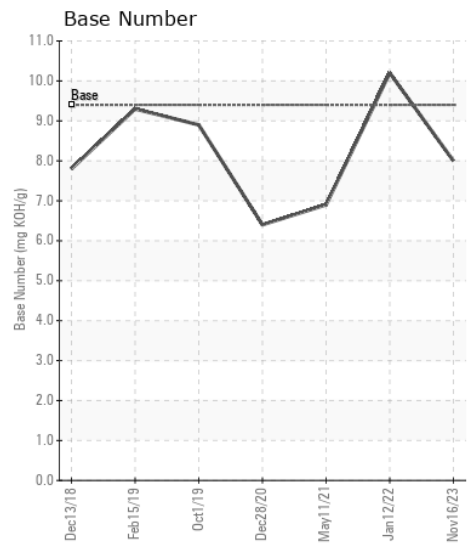
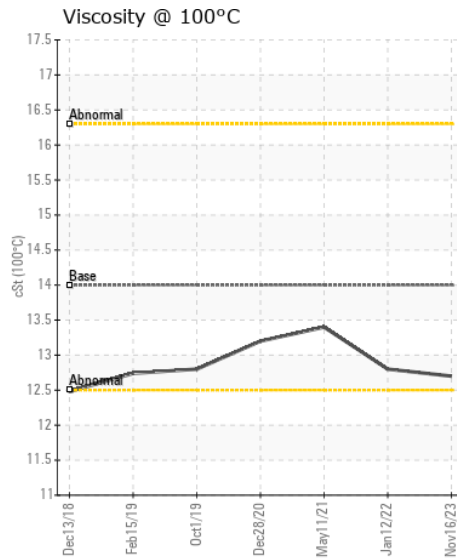
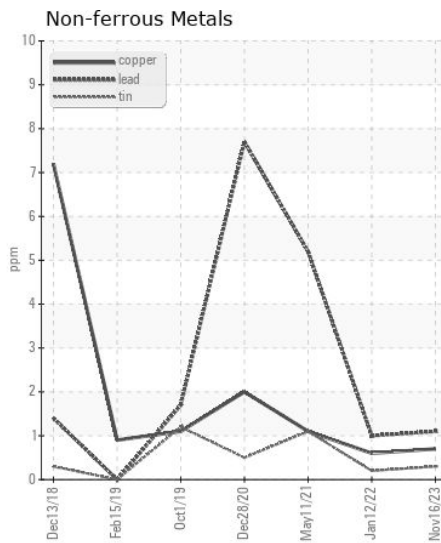
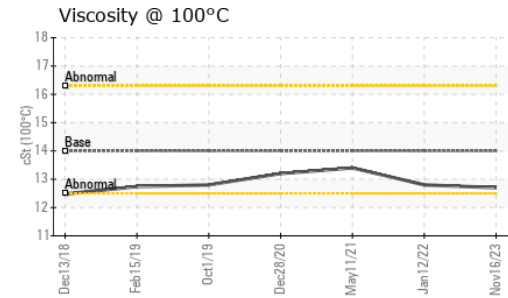
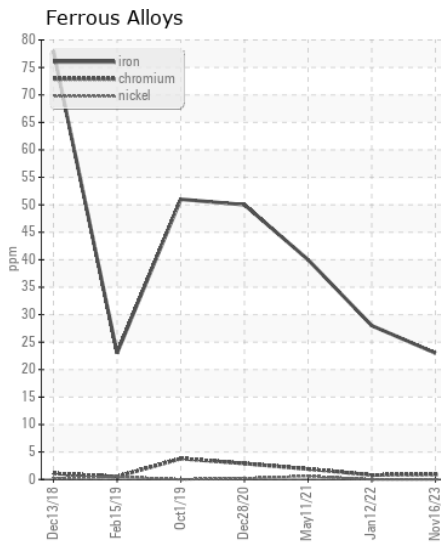
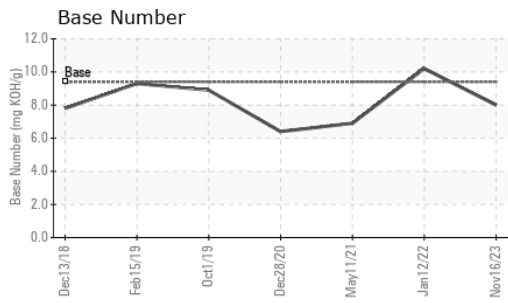
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	<b>7</b>	7	4
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	3	7
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	>7.5	<b>0.4</b>	0.2	0.4
Nitration	Abs/cm	*ASTM D7624	>20	<b>10.0</b>	9.2	12.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>20.7</b>	24.4	26.1
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	4
Boron	ppm	ASTM D5185m	0	<b>7</b>	46	28
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>61</b>	42	34
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>949</b>	558	584
Calcium	ppm	ASTM D5185m		<b>1152</b>	1766	1605
Phosphorus	ppm	ASTM D5185m		<b>1045</b>	838	768
Zinc	ppm	ASTM D5185m		<b>1257</b>	1036	929
Sulfur	ppm	ASTM D5185m		<b>3144</b>	2690	2413
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>17.0</b>	22.4	24.7
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>8.0</b>	10.2	6.9
Visc @ 100°C	cSt	ASTM D445	14	<b>12.7</b>	12.8	13.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : IL0030521 **Received** : 18 Jan 2024  
**Lab Number** : 06064842 **Diagnosed** : 19 Jan 2024  
**Unique Number** : 10836224 **Diagnostician** : Wes Davis  
**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)