



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

Machine Id  
**INTERNATIONAL 441398**  
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>IL0030571</b>	IL0026626	IL0022838
Sample Date		Client Info		<b>29 Dec 2023</b>	11 Mar 2023	14 Jul 2022
Machine Age	mls	Client Info		<b>51787</b>	38718	26701
Oil Age	mls	Client Info		<b>13069</b>	12000	0
Filter Age	mls	Client Info		<b>0</b>	12000	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>	ATTENTION	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>66</b>	35	49
Chromium	ppm	ASTM D5185m	>20	<b>1</b>	1	1
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>20	<b>22</b>	19	27
Lead	ppm	ASTM D5185m	>40	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>330	<b>3</b>	2	5
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

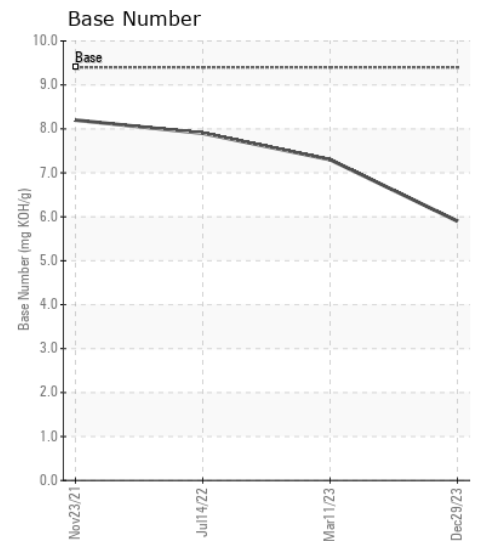
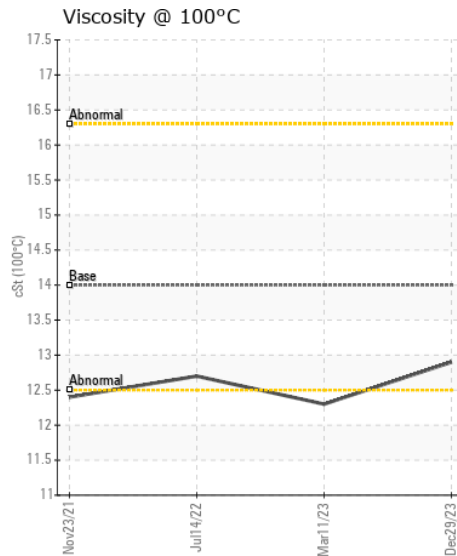
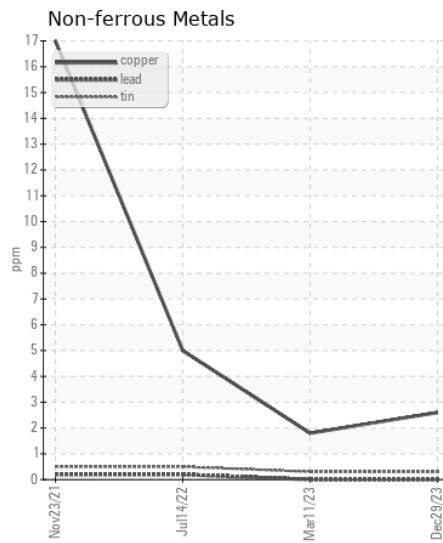
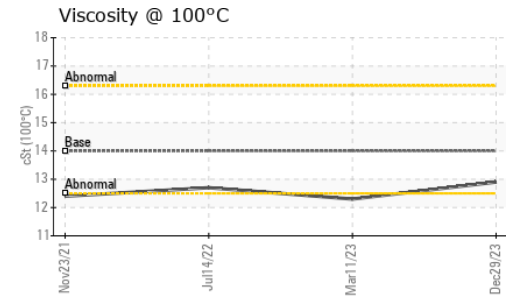
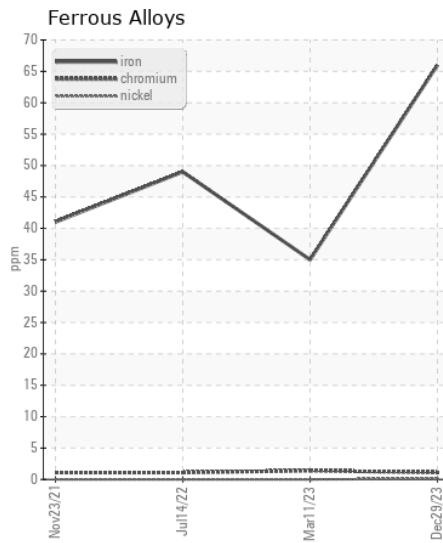
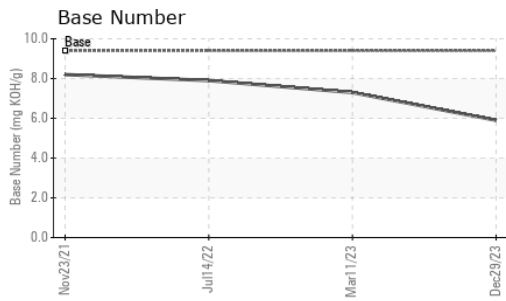
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>10</b>	7	10
Potassium	ppm	ASTM D5185m	>20	<b>52</b>	47	64
Fuel		WC Method	>2.0	<b>&lt;1.0</b>	▲ 2.7	<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>	0.6	0.6
Nitration	Abs/cm	*ASTM D7624	>20	<b>14.3</b>	11.7	13.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>24.5</b>	22.1	24.5
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 suitable for further service.

Sodium	ppm	ASTM D5185m		<b>5</b>	0	3
Boron	ppm	ASTM D5185m	0	<b>18</b>	3	29
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	2
Molybdenum	ppm	ASTM D5185m	0	<b>42</b>	56	42
Manganese	ppm	ASTM D5185m		<b>1</b>	1	1
Magnesium	ppm	ASTM D5185m	0	<b>604</b>	857	471
Calcium	ppm	ASTM D5185m		<b>1581</b>	1178	1627
Phosphorus	ppm	ASTM D5185m		<b>811</b>	904	687
Zinc	ppm	ASTM D5185m		<b>993</b>	1129	912
Sulfur	ppm	ASTM D5185m		<b>2471</b>	3018	2401
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>27.8</b>	19.6	25.9
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>5.9</b>	7.3	7.9
Visc @ 100°C	cSt	ASTM D445	14	<b>12.9</b>	▲ 12.3	12.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : IL0030571 **Recieved** : 18 Jan 2024  
**Lab Number** : 06064841 **Diagnosed** : 21 Jan 2024  
**Unique Number** : 10836223 **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)