



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

Machine Id  
**INTERNTAIONAL 441415**  
Component  
**Diesel Engine**  
Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (39 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample  
Comment: Hours=4,662 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>IL0033813</b>	IL0030500	IL0026594
Sample Date		Client Info		<b>24 May 2024</b>	25 Oct 2023	24 Jan 2023
Machine Age	mls	Client Info		<b>96586</b>	65374	35515
Oil Age	mls	Client Info		<b>0</b>	0	22502
Filter Age	mls	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	N/A	Changed
Filter Changed		Client Info		<b>Changed</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>29</b>	42	36
Chromium	ppm	ASTM D5185m	>20	<b>1</b>	1	2
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>7</b>	9	8
Lead	ppm	ASTM D5185m	>40	<b>0</b>	1	4
Copper	ppm	ASTM D5185m	>330	<b>12</b>	48	201
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

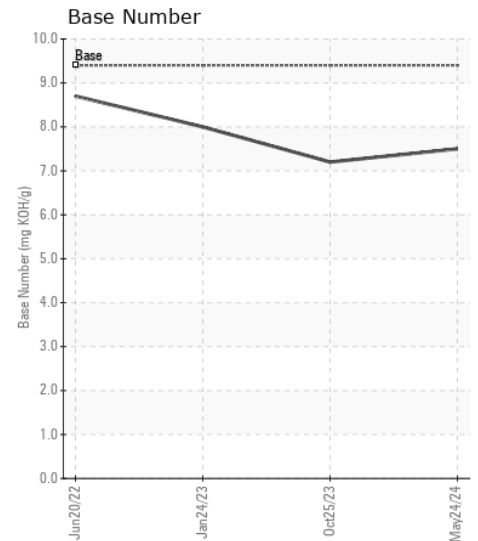
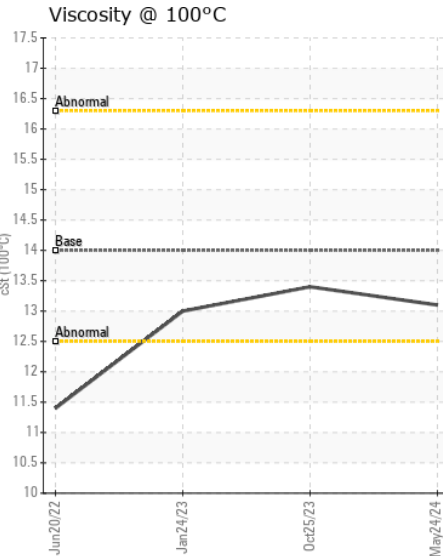
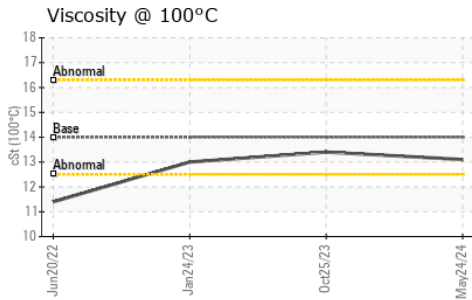
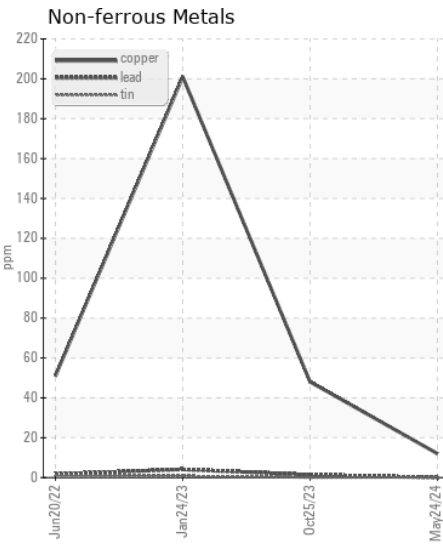
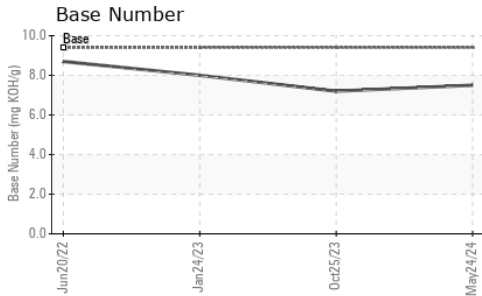
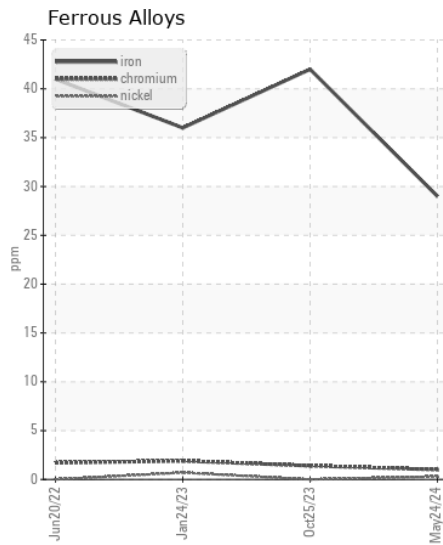
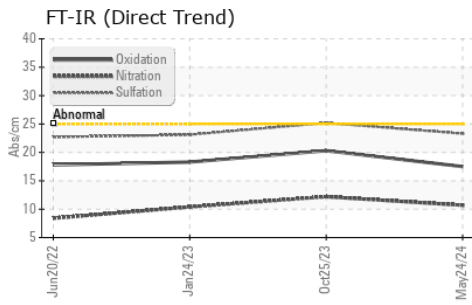
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>7</b>	8	8
Potassium	ppm	ASTM D5185m	>20	<b>25</b>	37	33
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>1.5</b>	1.8	1.3
Nitration	Abs/cm	*ASTM D7624	>20	<b>10.7</b>	12.2	10.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>23.3</b>	25.2	23.1
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>4</b>	2	3
Boron	ppm	ASTM D5185m	0	<b>4</b>	2	4
Barium	ppm	ASTM D5185m	0	<b>0</b>	5	0
Molybdenum	ppm	ASTM D5185m	0	<b>70</b>	68	65
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	1
Magnesium	ppm	ASTM D5185m	0	<b>967</b>	924	939
Calcium	ppm	ASTM D5185m		<b>1198</b>	1170	1375
Phosphorus	ppm	ASTM D5185m		<b>994</b>	909	1011
Zinc	ppm	ASTM D5185m		<b>1277</b>	1219	1363
Sulfur	ppm	ASTM D5185m		<b>3288</b>	2651	3224
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>17.5</b>	20.3	18.3
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>7.5</b>	7.2	8.0
Visc @ 100°C	cSt	ASTM D445	14	<b>13.1</b>	13.4	13.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : IL0033813  
**Lab Number** : 06212822  
**Unique Number** : 11085686  
**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

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)

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