



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**INTERNATIONAL I6344**  
Component  
**Diesel Engine**  
Fluid  
**MOBIL DELVAC 1300 SUPER 15W40 (44 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>IL0035621</b>	IL0006979	IL04800174
Sample Date		Client Info		<b>21 May 2024</b>	26 Apr 2021	15 Sep 2019
Machine Age	mls	Client Info		<b>348626</b>	2578	5834
Oil Age	mls	Client Info		<b>348626</b>	424	5834
Filter Age	mls	Client Info		<b>348626</b>	424	5834
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>165	<b>24</b>	11	21
Chromium	ppm	ASTM D5185m	>5	<b>2</b>	1	<1
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	<1
Aluminum	ppm	ASTM D5185m	>20	<b>12</b>	1	2
Lead	ppm	ASTM D5185m	>150	<b>6</b>	2	1
Copper	ppm	ASTM D5185m	>90	<b>2</b>	<1	22
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	2
Vanadium	ppm	ASTM D5185m		<b>&lt;1</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.

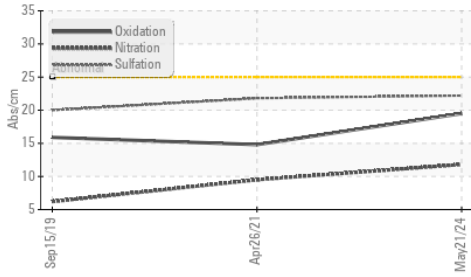
Silicon	ppm	ASTM D5185m	>35	<b>6</b>	3	38
Potassium	ppm	ASTM D5185m	>20	<b>9</b>	7	0
Fuel		WC Method	>3.0	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>7.5	<b>1</b>	0.4	0.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>11.8</b>	9.5	6.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>22.2</b>	21.8	20
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

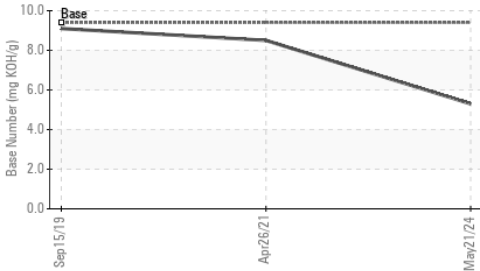
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>3</b>	1	4
Boron	ppm	ASTM D5185m	0	<b>46</b>	70	109
Barium	ppm	ASTM D5185m	0	<b>2</b>	0	5
Molybdenum	ppm	ASTM D5185m	0	<b>126</b>	2	55
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	5
Magnesium	ppm	ASTM D5185m	0	<b>646</b>	712	460
Calcium	ppm	ASTM D5185m		<b>1235</b>	1383	1840
Phosphorus	ppm	ASTM D5185m		<b>698</b>	745	1030
Zinc	ppm	ASTM D5185m		<b>866</b>	835	1215
Sulfur	ppm	ASTM D5185m		<b>2928</b>	2651	2889
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>19.5</b>	14.8	15.9
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>5.3</b>	8.5	9.1
Visc @ 100°C	cSt	ASTM D445	14	<b>13.2</b>	13.4	11.5

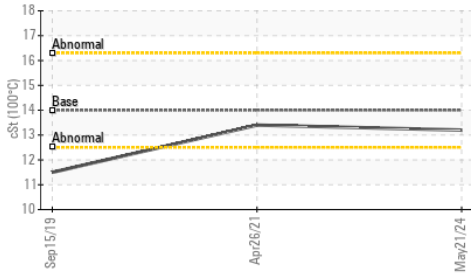
FT-IR (Direct Trend)



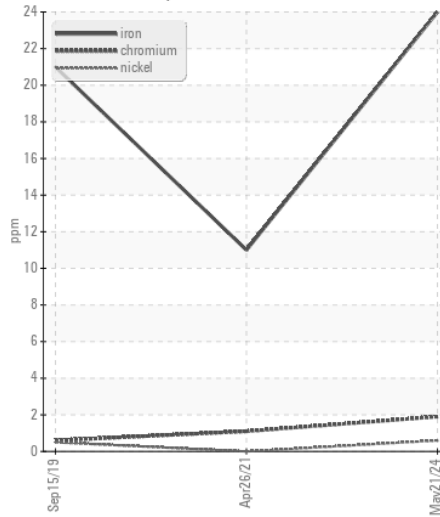
Base Number



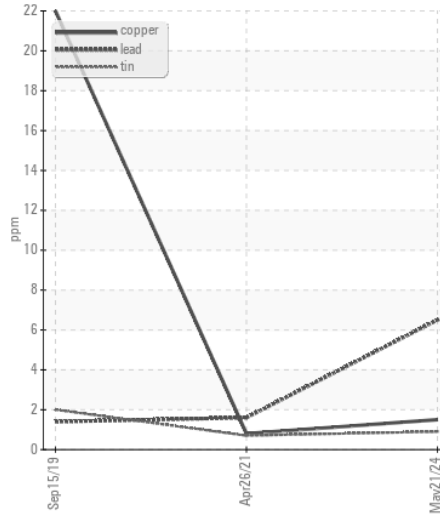
Viscosity @ 100°C



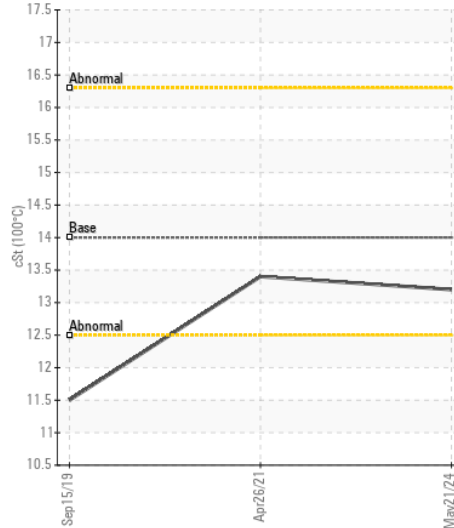
Ferrous Alloys



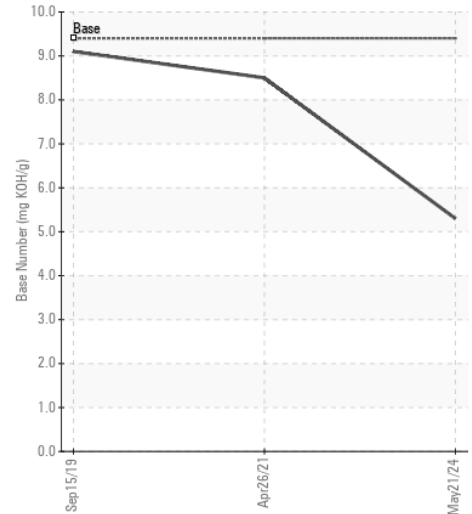
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : IL0035621  
**Lab Number** : 06219450  
**Unique Number** : 11097647  
**Test Package** : FLEET

**Received** : 25 Jun 2024  
**Tested** : 26 Jun 2024  
**Diagnosed** : 26 Jun 2024 - Wes Davis

**RUSH TRUCK LEASING - SALT LAKE CITY IDEALEASE**  
 964 SOUTH 3800 WEST, BLDG B  
 SALT LAKE CITY, UT  
 US 84104

Contact: JAY ALEXANDER  
 AlexanderJ1@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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