



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

Machine Id  
**INTERNATIONAL I6256**  
Component  
**Front Diesel Engine**  
Fluid  
**DIESEL ENGINE OIL SAE 15W40 (--- QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>IL0012704</b>	IL0012629	ILMFB80043
Sample Date		Client Info		<b>10 Jan 2024</b>	23 Jul 2020	25 Jan 2019
Machine Age	hrs	Client Info		<b>0</b>	7131	171663
Oil Age	hrs	Client Info		<b>0</b>	385	22690
Filter Age	hrs	Client Info		<b>0</b>	385	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>11</b>	17	9
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	<1
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>3</b>	2	2
Lead	ppm	ASTM D5185m	>40	<b>4</b>	12	<1
Copper	ppm	ASTM D5185m	>330	<b>2</b>	2	<1
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	0
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

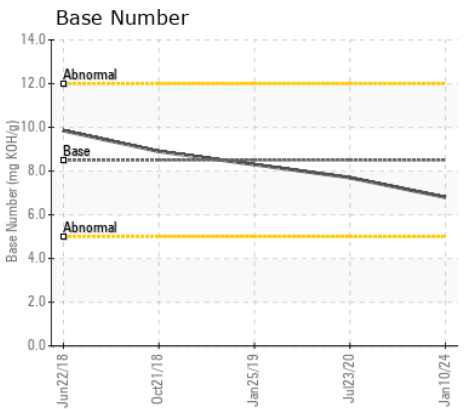
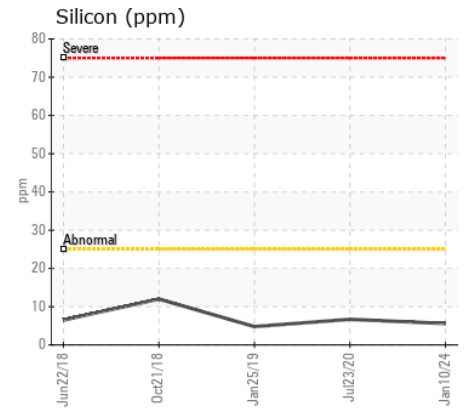
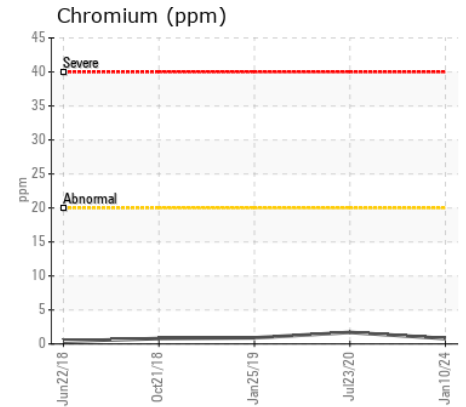
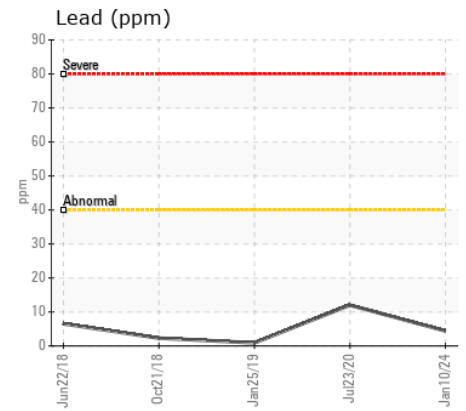
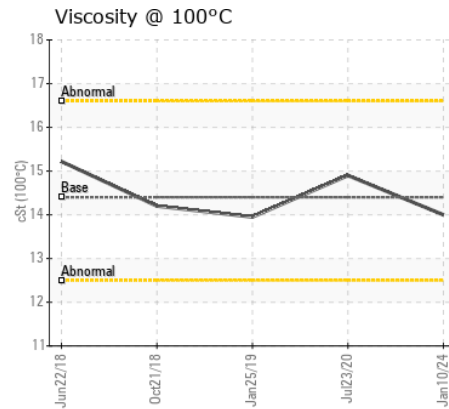
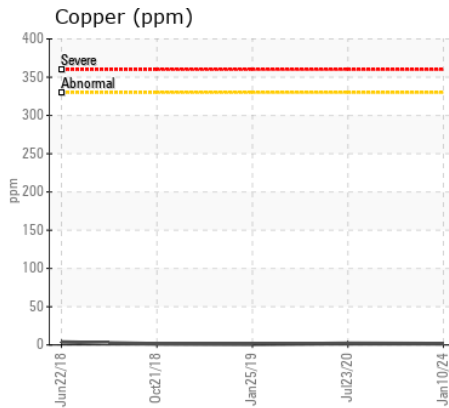
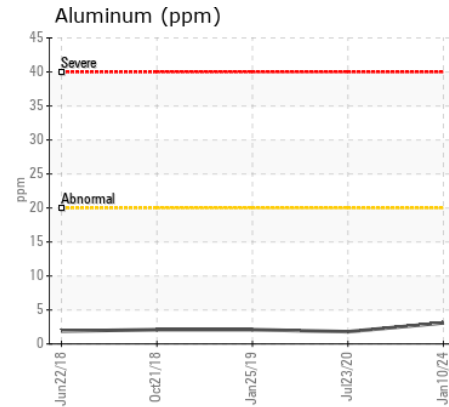
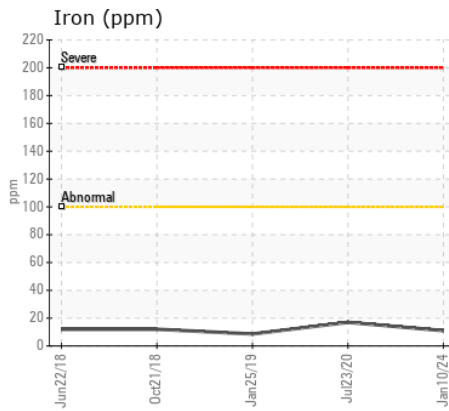
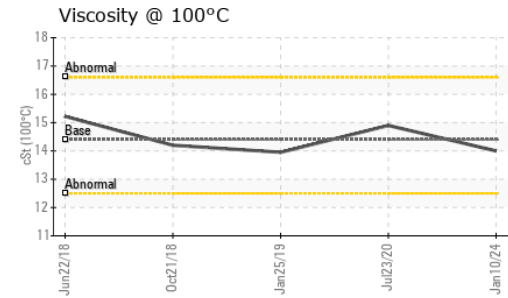
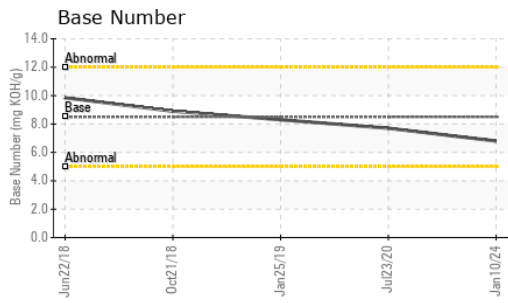
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>6</b>	7	5
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	0	<1
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>0.4</b>	0.6	0.3
Nitration	Abs/cm	*ASTM D7624	>20	<b>12.6</b>	13	10.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>24.4</b>	28.4	24.2
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	>158	<b>4</b>	4	0
Boron	ppm	ASTM D5185m	250	<b>59</b>	45	33
Barium	ppm	ASTM D5185m	10	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	100	<b>83</b>	14	40
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	450	<b>732</b>	809	466
Calcium	ppm	ASTM D5185m	3000	<b>1473</b>	1653	1669
Phosphorus	ppm	ASTM D5185m	1150	<b>881</b>	845	602
Zinc	ppm	ASTM D5185m	1350	<b>1017</b>	957	836
Sulfur	ppm	ASTM D5185m	4250	<b>3056</b>	2332	1967
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>23.5</b>	25.6	24.2
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	<b>6.8</b>	7.7	8.3
Visc @ 100°C	cSt	ASTM D445	14.4	<b>14.0</b>	14.9	13.95



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : IL0012704 **Received** : 31 Jan 2024  
**Lab Number** : 06075567 **Diagnosed** : 31 Jan 2024  
**Unique Number** : 10857658 **Diagnostician** : Wes Davis  
**Test Package** : MOB1+

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

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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