



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
I4624
 Component
Diesel Engine
 Fluid
DIESEL ENGINE OIL SAE 15W40 (--- QTS)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

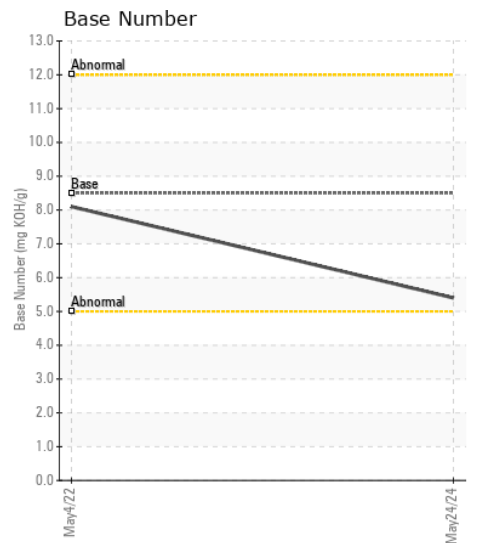
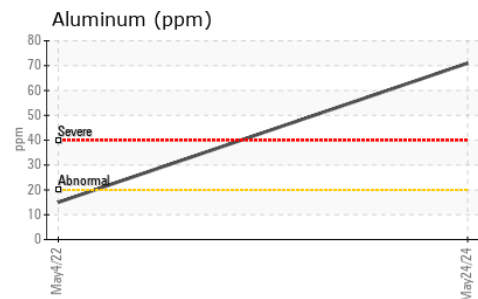
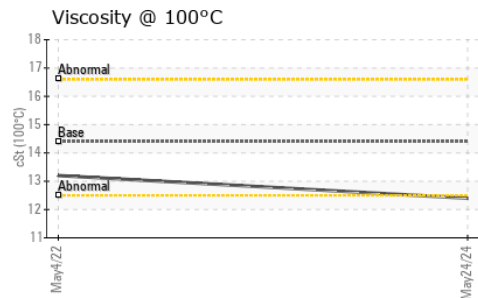
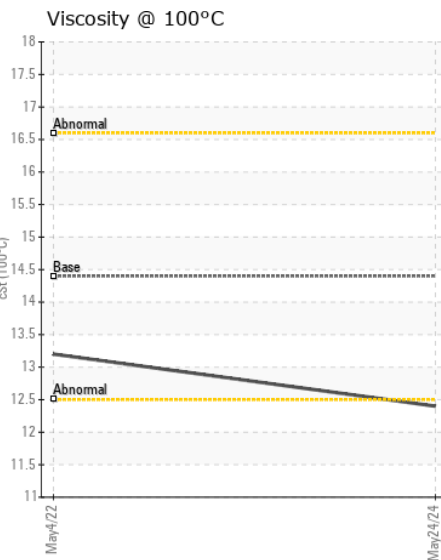
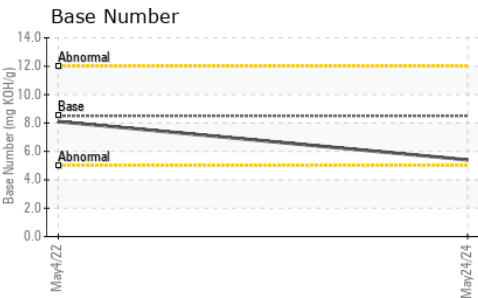
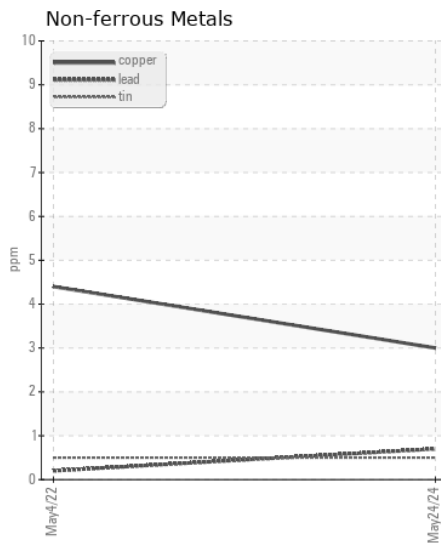
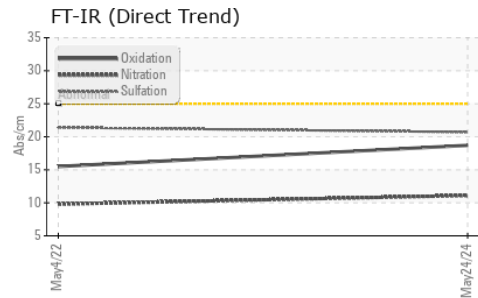
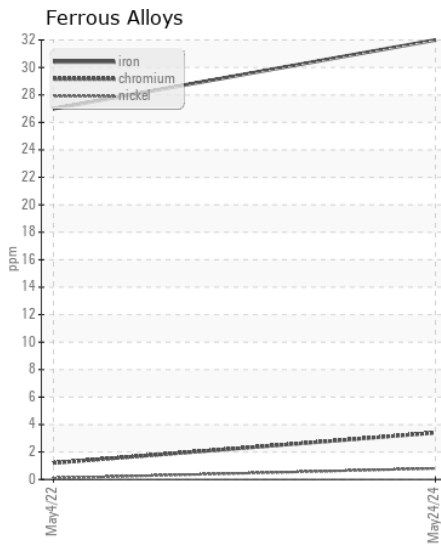
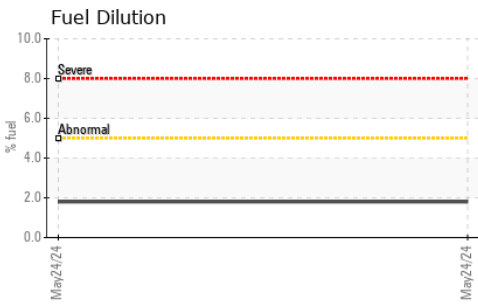
CONTAMINATION

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Light fuel dilution occurring. No other contaminants were detected in the oil.

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		IL0035625	IL0007045	---
Sample Date		Client Info		24 May 2024	04 May 2022	---
Machine Age	mls	Client Info		0	12890	---
Oil Age	mls	Client Info		0	0	---
Filter Age	mls	Client Info		0	0	---
Oil Changed		Client Info		Changed	N/A	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				NORMAL	NORMAL	---
Iron	ppm	ASTM D5185m	>100	32	27	---
Chromium	ppm	ASTM D5185m	>20	3	1	---
Nickel	ppm	ASTM D5185m	>4	<1	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m	>3	<1	<1	---
Aluminum	ppm	ASTM D5185m	>20	71	15	---
Lead	ppm	ASTM D5185m	>40	<1	<1	---
Copper	ppm	ASTM D5185m	>330	3	4	---
Tin	ppm	ASTM D5185m	>15	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>25	11	10	---
Potassium	ppm	ASTM D5185m	>20	162	53	---
Fuel	%	ASTM D3524	>5	1.8	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.5	0.3	---
Nitration	Abs/cm	*ASTM D7624	>20	11.1	9.8	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.7	21.4	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---
Sodium	ppm	ASTM D5185m	>158	3	3	---
Boron	ppm	ASTM D5185m	250	67	83	---
Barium	ppm	ASTM D5185m	10	2	0	---
Molybdenum	ppm	ASTM D5185m	100	117	6	---
Manganese	ppm	ASTM D5185m		1	1	---
Magnesium	ppm	ASTM D5185m	450	607	704	---
Calcium	ppm	ASTM D5185m	3000	1246	1407	---
Phosphorus	ppm	ASTM D5185m	1150	642	735	---
Zinc	ppm	ASTM D5185m	1350	834	817	---
Sulfur	ppm	ASTM D5185m	4250	2793	2601	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.7	15.5	---
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	5.4	8.1	---
Visc @ 100°C	cSt	ASTM D445	14.4	12.4	13.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : IL0035625
Lab Number : 06219448
Unique Number : 11097645
Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

Received : 25 Jun 2024
Tested : 28 Jun 2024
Diagnosed : 28 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)

T:
 F: (801)977-9381