



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
INTERNATIONAL 441443
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER15W40 (44 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample
 Comment: Hours=2271)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		IL0033968	IL0030530	---
Sample Date		Client Info		09 Jul 2024	20 Nov 2023	---
Machine Age	mls	Client Info		83817	41893	---
Oil Age	mls	Client Info		41893	41893	---
Filter Age	mls	Client Info		0	0	---
Oil Changed		Client Info		Changed	N/A	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>90	30	45	---
Chromium	ppm	ASTM D5185m	>20	<1	1	---
Nickel	ppm	ASTM D5185m	>2	<1	<1	---
Titanium	ppm	ASTM D5185m	>2	0	0	---
Silver	ppm	ASTM D5185m	>2	<1	<1	---
Aluminum	ppm	ASTM D5185m	>20	8	17	---
Lead	ppm	ASTM D5185m	>40	6	9	---
Copper	ppm	ASTM D5185m	>330	7	20	---
Tin	ppm	ASTM D5185m	>15	2	4	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

There is no indication of any contamination in the oil.

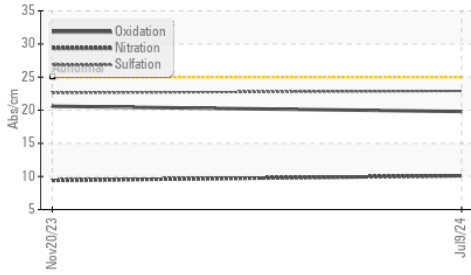
Silicon	ppm	ASTM D5185m	>25	14	39	---
Potassium	ppm	ASTM D5185m	>20	27	52	---
Fuel		WC Method	>3.0	<1.0	0.6	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>6	0.4	0.3	---
Nitration	Abs/cm	*ASTM D7624	>20	10.1	9.4	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.9	22.6	---
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	---

FLUID CONDITION

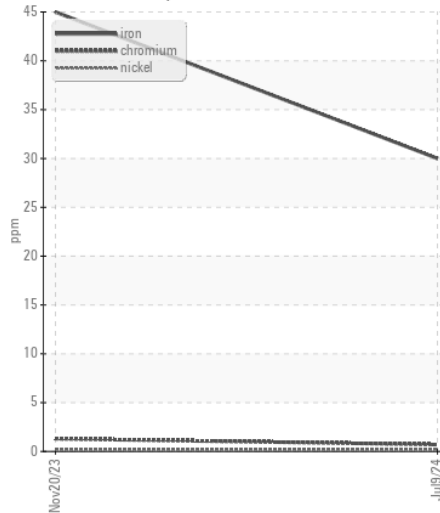
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		4	4	---
Boron	ppm	ASTM D5185m	0	6	24	---
Barium	ppm	ASTM D5185m	0	0	0	---
Molybdenum	ppm	ASTM D5185m	0	66	63	---
Manganese	ppm	ASTM D5185m		1	4	---
Magnesium	ppm	ASTM D5185m	0	925	427	---
Calcium	ppm	ASTM D5185m		1208	1598	---
Phosphorus	ppm	ASTM D5185m		1058	929	---
Zinc	ppm	ASTM D5185m		1292	1183	---
Sulfur	ppm	ASTM D5185m		3258	2745	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.8	20.6	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	6.4	5.5	---
Visc @ 100°C	cSt	ASTM D445	14	13.0	11.8	---

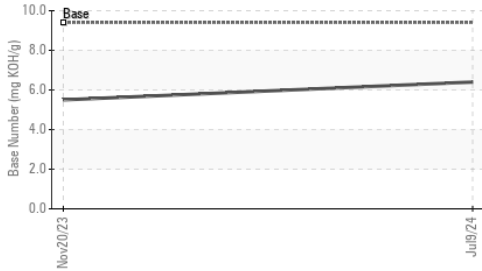
FT-IR (Direct Trend)



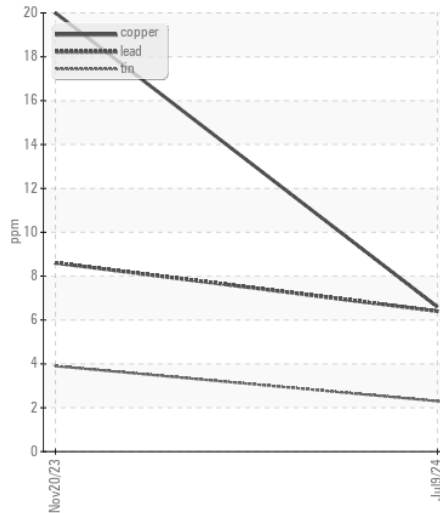
Ferrous Alloys



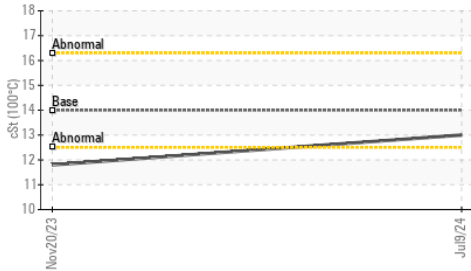
Base Number



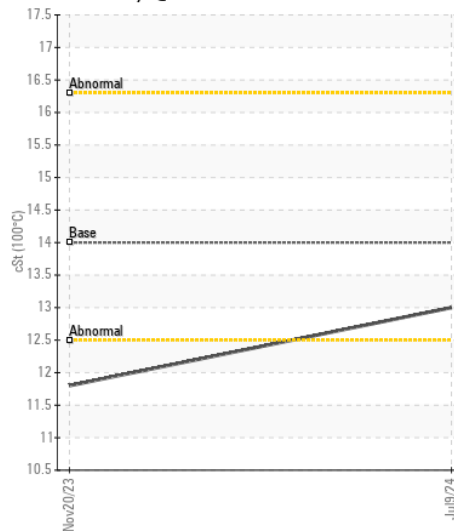
Non-ferrous Metals



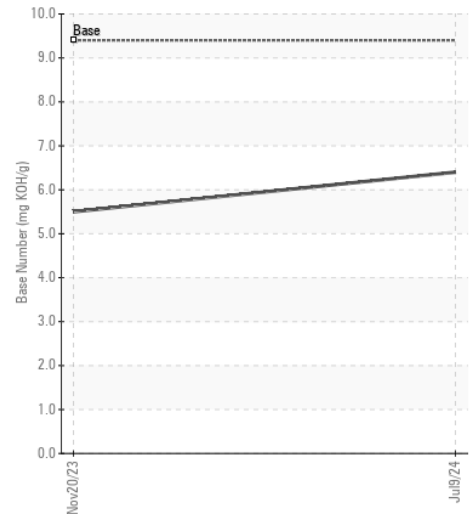
Viscosity @ 100°C



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : IL0033968

Lab Number : 06235345

Unique Number : 11124179

Test Package : FLEET

Received : 15 Jul 2024

Tested : 15 Jul 2024

Diagnosed : 15 Jul 2024 - Don Baldrige

RUSH TRUCK LEASING - CHARLOTTE IDEALEASE

1333 AMERON DR

CHARLOTTE, NC

US 28206

Contact: JERRY DIXON

dixonj@rushenterprises.com

T: (704)333-4507

F: (704)333-4508

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)