



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
9719L
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		IL0034320	IL0025777	---
Sample Date		Client Info		06 May 2024	21 Nov 2022	---
Machine Age	mls	Client Info		107273	39009	---
Oil Age	mls	Client Info		40000	40000	---
Filter Age	mls	Client Info		40000	40000	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	ATTENTION	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	37	67	---
Chromium	ppm	ASTM D5185m	>20	<1	3	---
Nickel	ppm	ASTM D5185m	>4	0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m	>3	0	<1	---
Aluminum	ppm	ASTM D5185m	>20	3	24	---
Lead	ppm	ASTM D5185m	>40	3	4	---
Copper	ppm	ASTM D5185m	>330	0	28	---
Tin	ppm	ASTM D5185m	>15	1	4	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

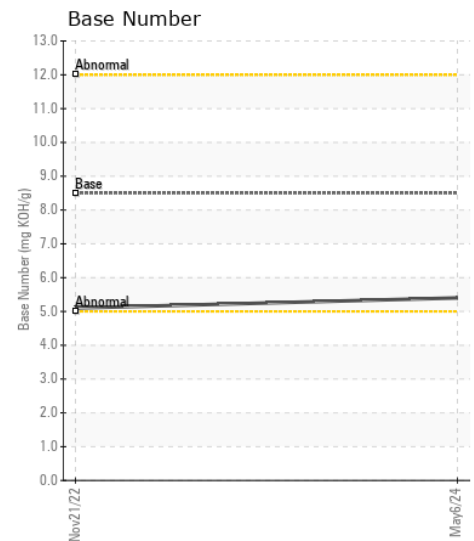
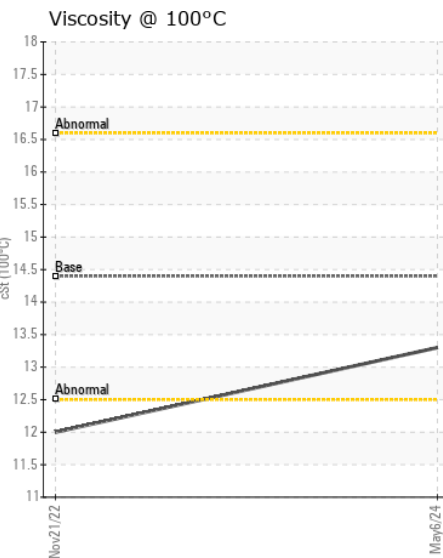
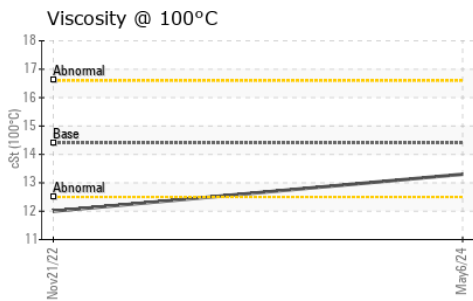
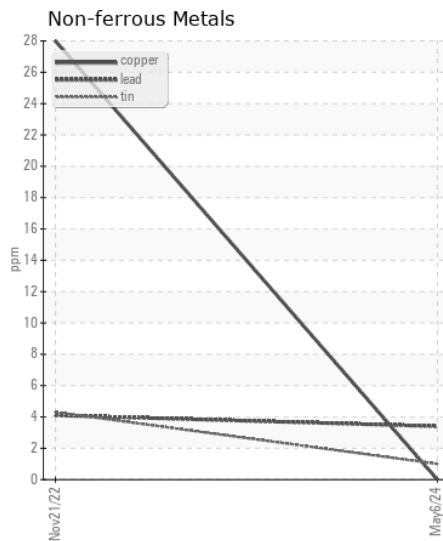
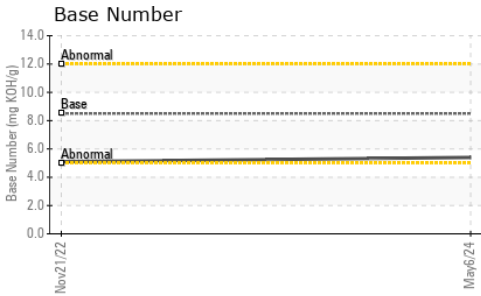
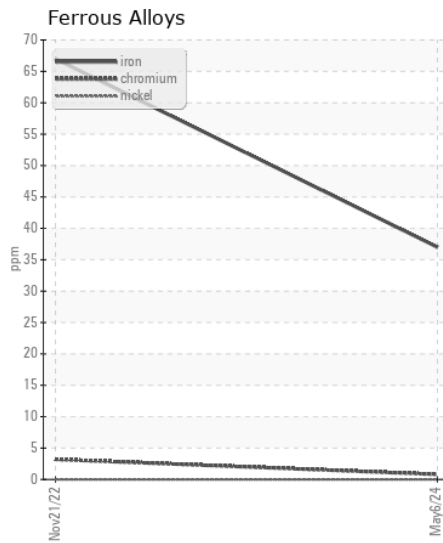
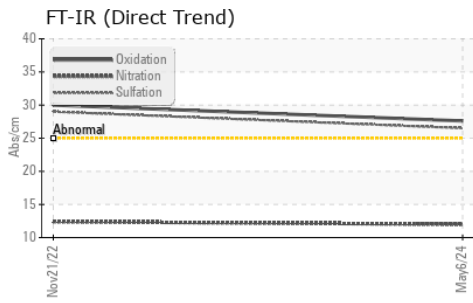
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	6	40	---
Potassium	ppm	ASTM D5185m	>20	6	77	---
Fuel		WC Method	>5	<1.0	0.7	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.4	0.5	---
Nitration	Abs/cm	*ASTM D7624	>20	12.0	12.4	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.5	29.0	---
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	>158	2	4	---
Boron	ppm	ASTM D5185m	250	4	31	---
Barium	ppm	ASTM D5185m	10	0	4	---
Molybdenum	ppm	ASTM D5185m	100	59	61	---
Manganese	ppm	ASTM D5185m		<1	5	---
Magnesium	ppm	ASTM D5185m	450	911	440	---
Calcium	ppm	ASTM D5185m	3000	1093	1777	---
Phosphorus	ppm	ASTM D5185m	1150	1027	913	---
Zinc	ppm	ASTM D5185m	1350	1187	1159	---
Sulfur	ppm	ASTM D5185m	4250	3334	3083	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	27.6	30.0	---
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	5.4	5.1	---
Visc @ 100°C	cSt	ASTM D445	14.4	13.3	12.0	---



Certificate L2367

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

Sample No. : IL0034320

Lab Number : 06175167

Unique Number : 11021220

Test Package : FLEET

Received : 10 May 2024

Tested : 11 May 2024

Diagnosed : 13 May 2024 - Don Baldrige

RUSH TRUCK CENTER - CHICAGO IDEALEASE

4655 SOUTH CENTRAL AVENUE

CHICAGO, IL

US 60638

Contact: MIKE LINLEY

linleym@rushtruckcenters.com

T: (708)496-7500

F: (708)496-8818

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)