



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
117-325
 Component
Diesel Engine
 Fluid
CHEVRON DELO 400 SAE 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0005023	RPL0005328	---
Sample Date		Client Info		21 Nov 2022	08 Sep 2022	---
Machine Age	mls	Client Info		345018	343663	---
Oil Age	mls	Client Info		0	0	---
Filter Age	mls	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Changed	---
Filter Changed		Client Info		Not Changd	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	17	74	---
Chromium	ppm	ASTM D5185m	>20	<1	2	---
Nickel	ppm	ASTM D5185m	>4	<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m	>3	<1	0	---
Aluminum	ppm	ASTM D5185m	>20	2	7	---
Lead	ppm	ASTM D5185m	>40	2	10	---
Copper	ppm	ASTM D5185m	>330	<1	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	---

CONTAMINATION

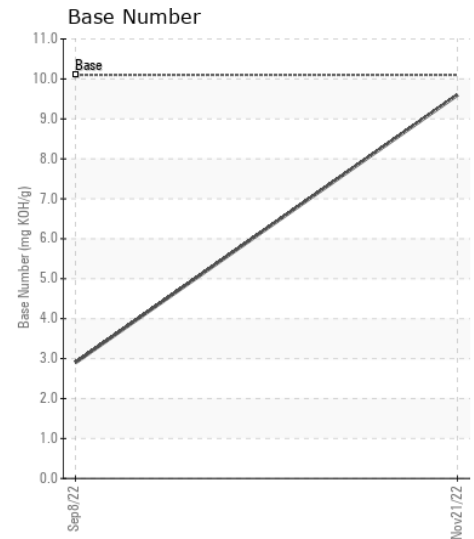
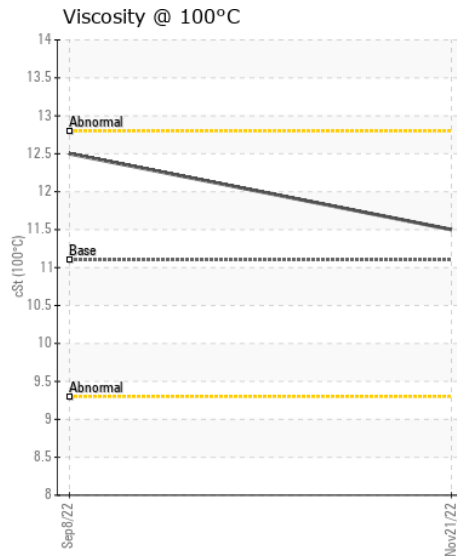
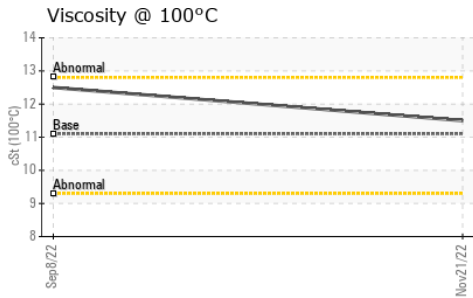
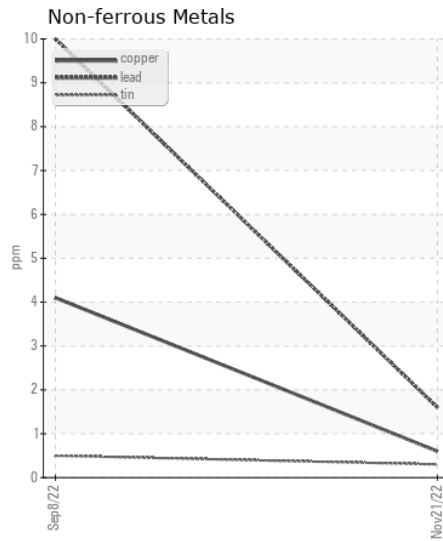
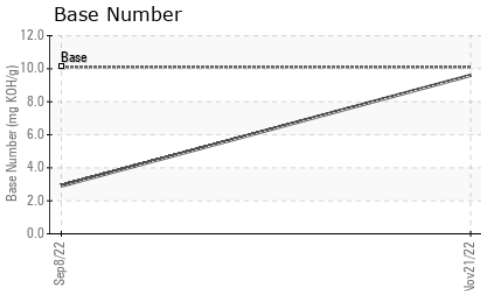
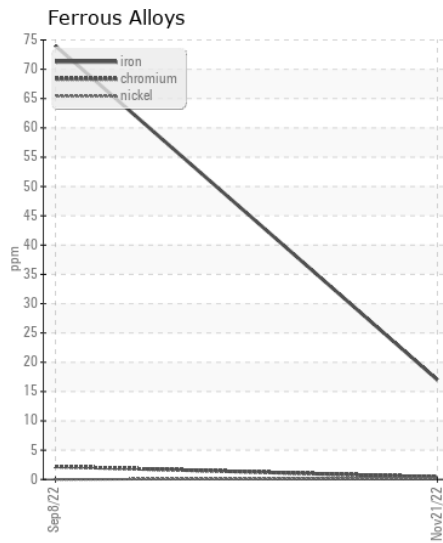
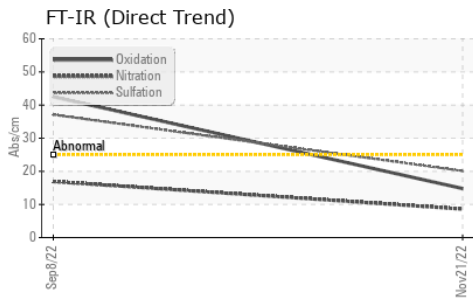
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	4	9	---
Potassium	ppm	ASTM D5185m	>20	16	12	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.1	0.7	---
Nitration	Abs/cm	*ASTM D7624	>20	8.6	16.9	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.1	37.1	---
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		5	3	---
Boron	ppm	ASTM D5185m		87	21	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		15	13	---
Manganese	ppm	ASTM D5185m		<1	1	---
Magnesium	ppm	ASTM D5185m		725	669	---
Calcium	ppm	ASTM D5185m		1390	1342	---
Phosphorus	ppm	ASTM D5185m	1260	716	675	---
Zinc	ppm	ASTM D5185m	1400	846	759	---
Sulfur	ppm	ASTM D5185m		3561	2933	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.8	42.5	---
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	9.6	2.9	---
Visc @ 100°C	cSt	ASTM D445	11.1	11.5	12.5	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0005023
Lab Number : 05705789
Unique Number : 10240364
Test Package : FLEET

Received : 01 Dec 2022
Tested : 02 Dec 2022
Diagnosed : 02 Dec 2022 - Wes Davis

RTL PACLEASE - 7001 - Houston
 6300 N. Loop East
 Houston, TX
 US 77026

Contact: RODNEY BRIGGS
 briggsr@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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F: