



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
139-265
 Component
Diesel Engine
 Fluid
CHEVRON DELO 400 MULTIGRADE 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0016707	RPL0016638	RPL0014880
Sample Date		Client Info		12 Apr 2024	19 Dec 2023	06 Oct 2023
Machine Age	mls	Client Info		358877	348638	339186
Oil Age	mls	Client Info		349425	40000	40000
Filter Age	mls	Client Info		0	40000	40000
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	19	46	30
Chromium	ppm	ASTM D5185m	>20	<1	1	1
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	8	8	10
Lead	ppm	ASTM D5185m	>40	1	7	5
Copper	ppm	ASTM D5185m	>330	0	4	2
Tin	ppm	ASTM D5185m	>15	<1	1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

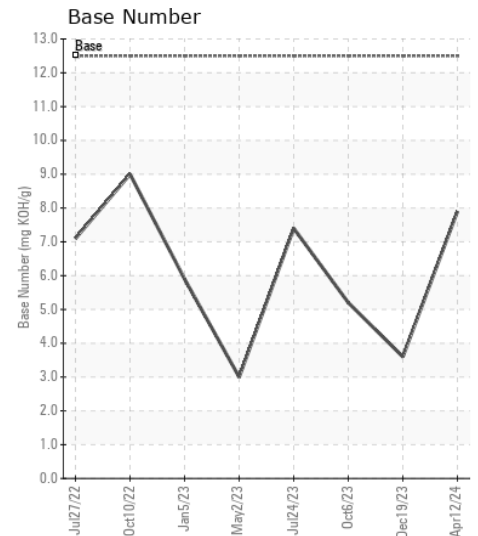
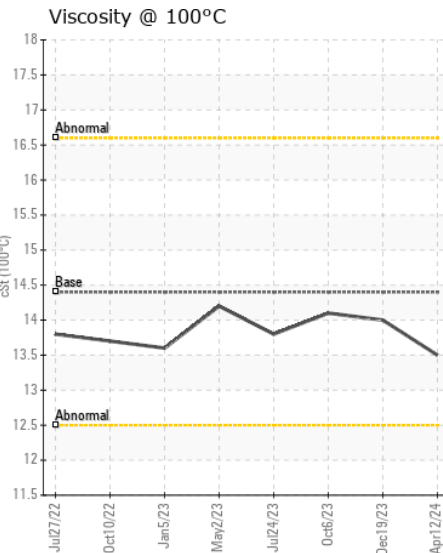
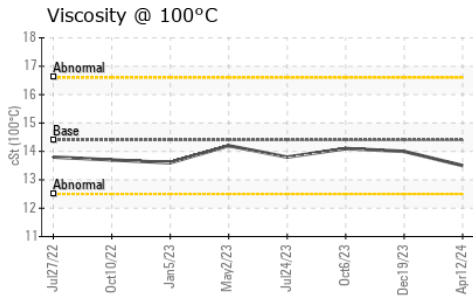
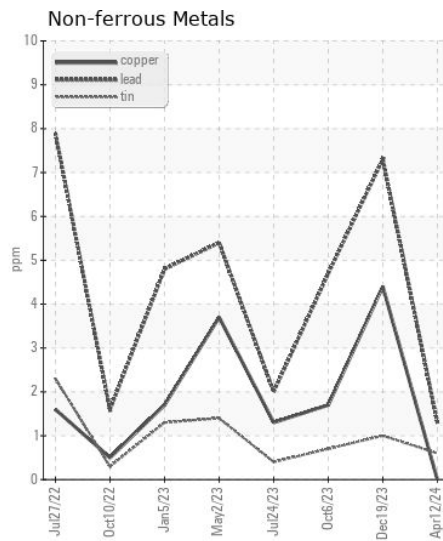
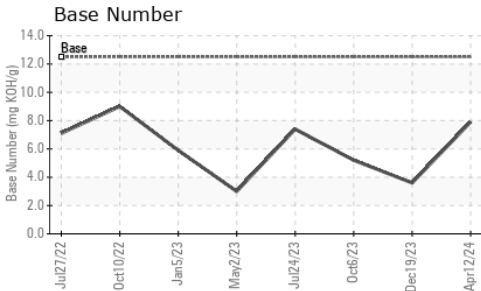
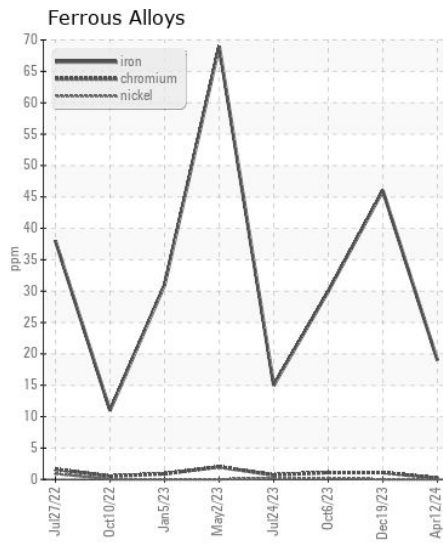
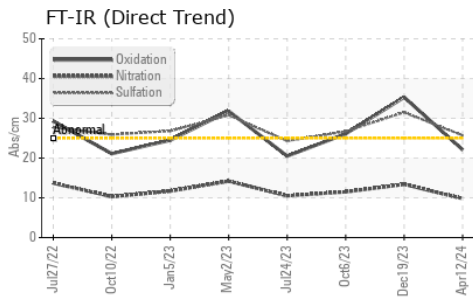
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	6	9	9
Potassium	ppm	ASTM D5185m	>20	8	17	12
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.4	1	0.7
Nitration	Abs/cm	*ASTM D7624	>20	9.8	13.4	11.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.7	31.5	26.7
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	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		0	1	2
Boron	ppm	ASTM D5185m	151	273	35	74
Barium	ppm	ASTM D5185m	0.4	0	0	2
Molybdenum	ppm	ASTM D5185m	250	122	100	132
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	708	568	610
Calcium	ppm	ASTM D5185m	2046	1592	1095	1568
Phosphorus	ppm	ASTM D5185m	1043	716	498	700
Zinc	ppm	ASTM D5185m	943	851	593	891
Sulfur	ppm	ASTM D5185m	5012	2808	1804	2673
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.1	35.3	26.1
Base Number (BN)	mg KOH/g	ASTM D2896	12.5	7.9	3.6	5.2
Visc @ 100°C	cSt	ASTM D445	14.4	13.5	14.0	14.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0016707
Lab Number : 06151675
Unique Number : 10981753
Test Package : FLEET

Received : 17 Apr 2024
Tested : 18 Apr 2024
Diagnosed : 18 Apr 2024 - Wes Davis

RTL PACLEASE - 7005 - Arlington
 1900 E Division
 Arlington, TX
 US 76011

Contact: Richard Ronquillo
 RonquilloR@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: (469)203-8171

F: