



PacLease

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
857-4176
 Component
Diesel Engine
 Fluid
CHEVRON DELO 400 SAE 10W30 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0005237	RPL0014545	RPL0005152
Sample Date		Client Info		13 Jul 2023	13 Jul 2023	02 Mar 2023
Machine Age	mls	Client Info		208880	208880	193395
Oil Age	mls	Client Info		0	0	0
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	N/A
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				ATTENTION	ABNORMAL	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	46	54	19
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	6	6	3
Lead	ppm	ASTM D5185m	>40	1	<1	0
Copper	ppm	ASTM D5185m	>330	3	4	1
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

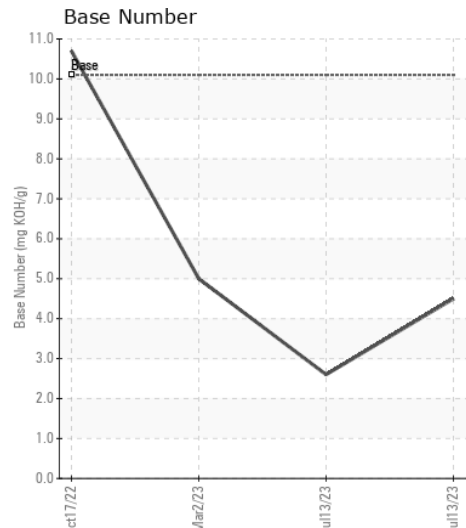
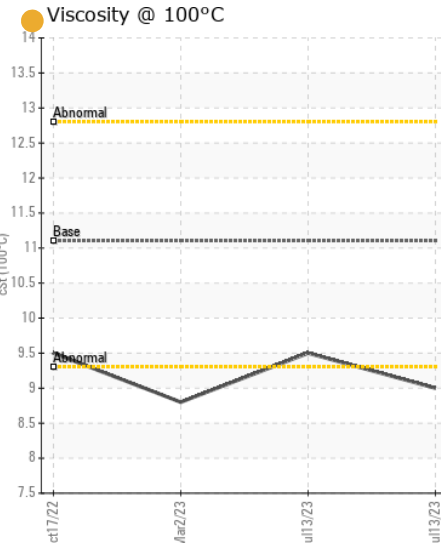
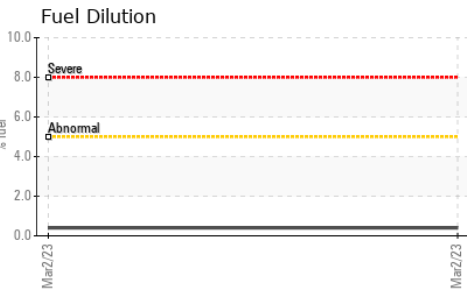
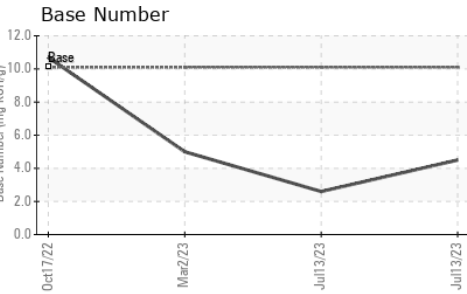
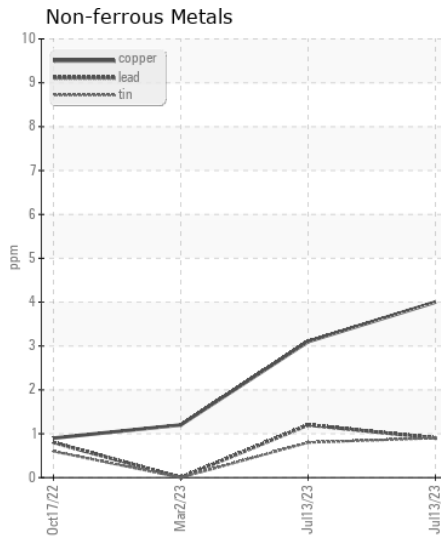
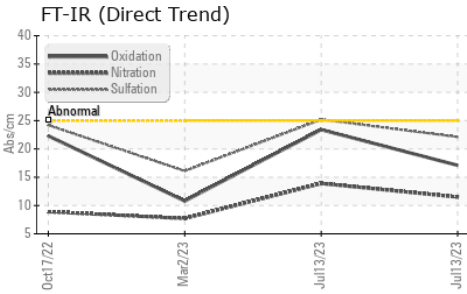
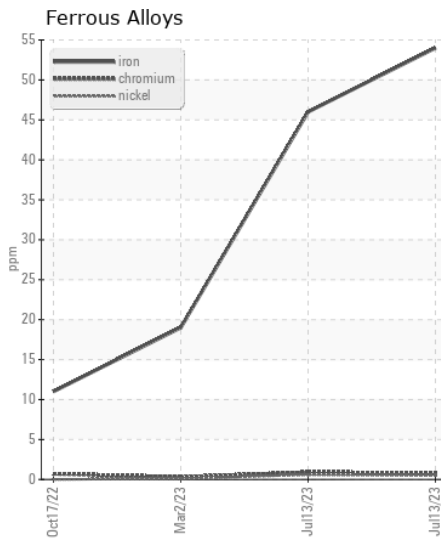
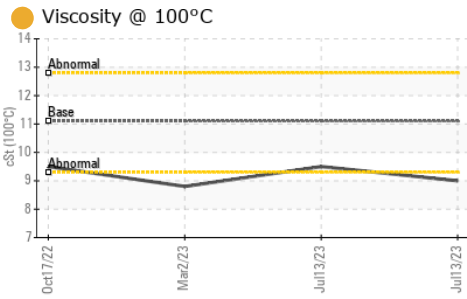
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	11	9	8
Potassium	ppm	ASTM D5185m	>20	9	13	4
Fuel	%	ASTM D3524	>5	<1.0	<1.0	0.4
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.6	0.7	0.3
Nitration	Abs/cm	*ASTM D7624	>20	11.5	13.9	7.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.1	25.2	16.1
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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		2	<1	1
Boron	ppm	ASTM D5185m		10	7	40
Barium	ppm	ASTM D5185m		2	2	0
Molybdenum	ppm	ASTM D5185m		199	181	187
Manganese	ppm	ASTM D5185m		1	1	<1
Magnesium	ppm	ASTM D5185m		516	538	532
Calcium	ppm	ASTM D5185m		1361	1370	1256
Phosphorus	ppm	ASTM D5185m	1260	700	705	671
Zinc	ppm	ASTM D5185m	1400	824	829	825
Sulfur	ppm	ASTM D5185m		2314	2239	2770
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.1	23.4	10.8
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	4.5	▲ 2.6	5.0
Visc @ 100°C	cSt	ASTM D445	11.1	● 9.0	9.5	● 8.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0005237 **Received** : 16 Apr 2024
Lab Number : 06149804 **Tested** : 17 Apr 2024
Unique Number : 10979882 **Diagnosed** : 18 Apr 2024 - Jonathan Hester
Test Package : FLEET (Additional Tests: FuelDilution)

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: