



PacLease

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
781130
 Component
Diesel Engine
 Fluid
CHEVRON DELO 400 XLE 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0019039	RPL0014288	RPL05907496
Sample Date		Client Info		12 Jun 2024	05 Mar 2024	15 Jul 2023
Machine Age	hrs	Client Info		257253	138	225802
Oil Age	hrs	Client Info		0	0	93337
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Chngd	N/A	N/A
Filter Changed		Client Info		Not Chngd	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	20	14	54
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	7	6	6
Lead	ppm	ASTM D5185m	>40	0	1	0
Copper	ppm	ASTM D5185m	>330	<1	<1	3
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

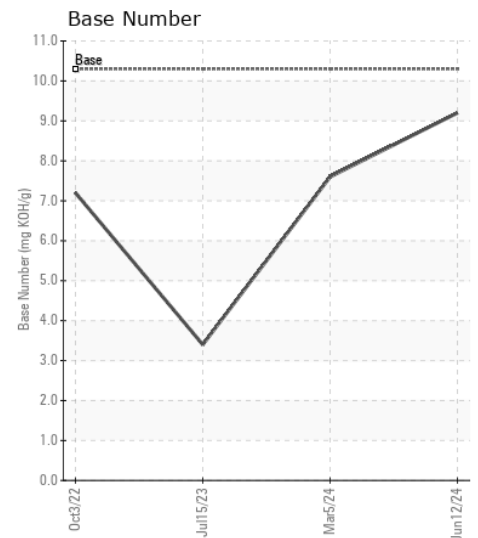
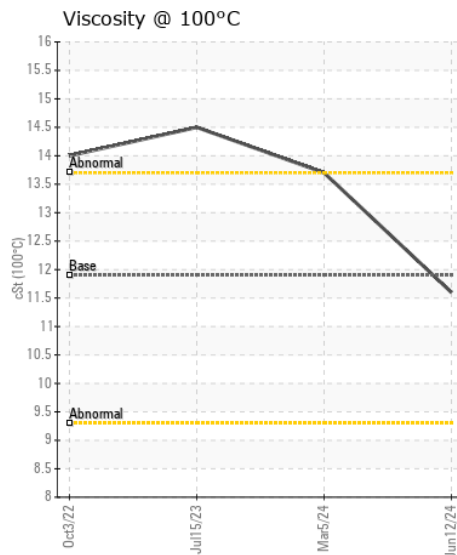
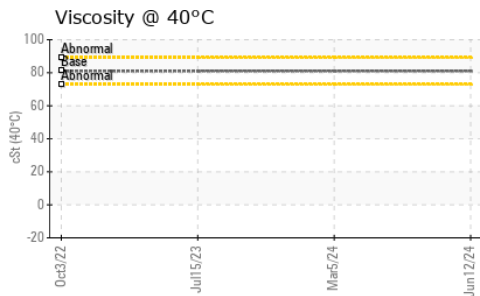
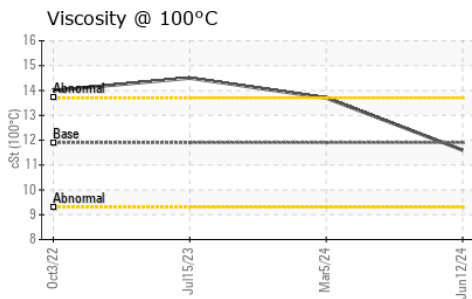
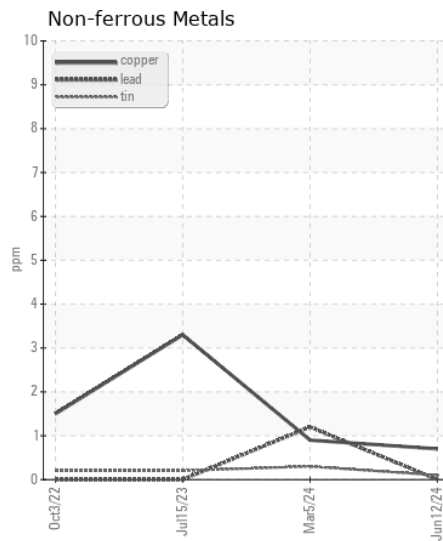
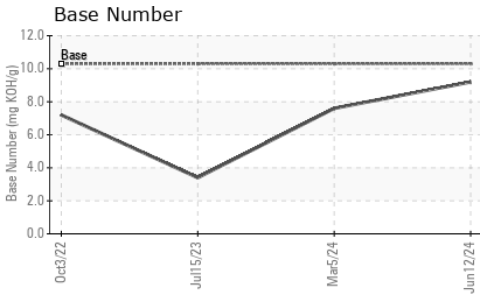
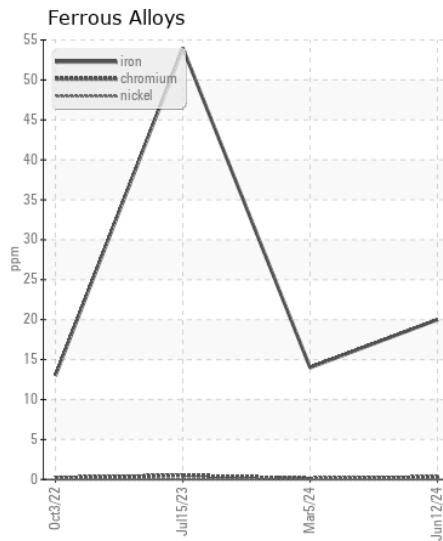
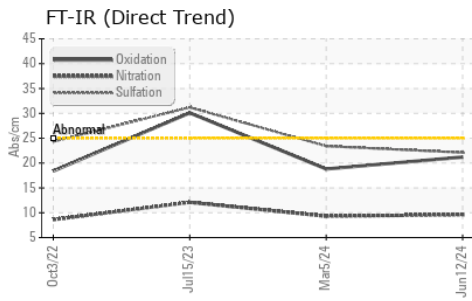
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	10	12	22
Potassium	ppm	ASTM D5185m	>20	13	11	10
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	0.3	0.7
Nitration	Abs/cm	*ASTM D7624	>20	9.6	9.3	12.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.1	23.4	31.2
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 acceptable for the time in service.

Sodium	ppm	ASTM D5185m		8	41	37
Boron	ppm	ASTM D5185m		35	221	38
Barium	ppm	ASTM D5185m		0	1	0
Molybdenum	ppm	ASTM D5185m		49	132	115
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		518	709	554
Calcium	ppm	ASTM D5185m	2900	1648	1806	1705
Phosphorus	ppm	ASTM D5185m	1100	767	868	990
Zinc	ppm	ASTM D5185m	1200	933	1028	1274
Sulfur	ppm	ASTM D5185m	4000	2677	3425	3379
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.2	18.8	30.1
Base Number (BN)	mg KOH/g	ASTM D2896	10.3	9.2	7.6	▲ 3.4
Visc @ 100°C	cSt	ASTM D445	11.9	11.6	13.7	14.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0019039 **Received** : 01 Jul 2024
Lab Number : 06225535 **Tested** : 03 Jul 2024
Unique Number : 11103732 **Diagnosed** : 03 Jul 2024 - Don Baldridge
Test Package : FLEET (Additional Tests: KV40)

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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