



PacLease

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id
857-4040
 Component
Diesel Engine
 Fluid
CHEVRON DELO 400 SAE 10W30 (--- GAL)

RECOMMENDATION

The oil is near the end of it's useful service life, recommend schedule an oil change. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

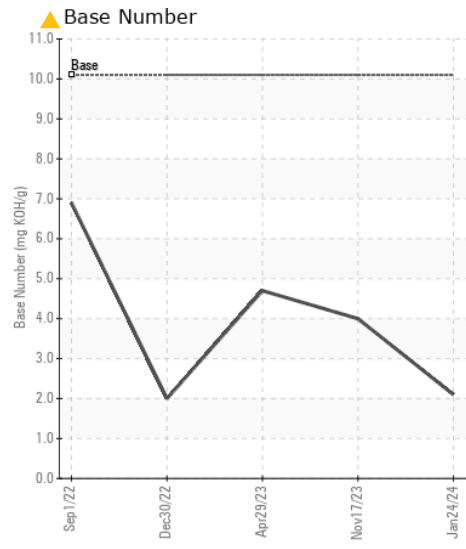
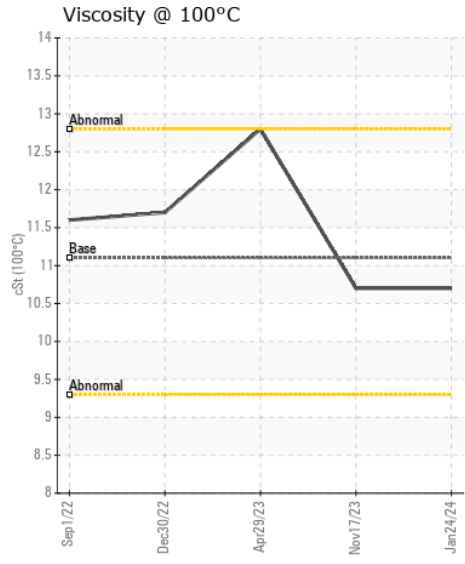
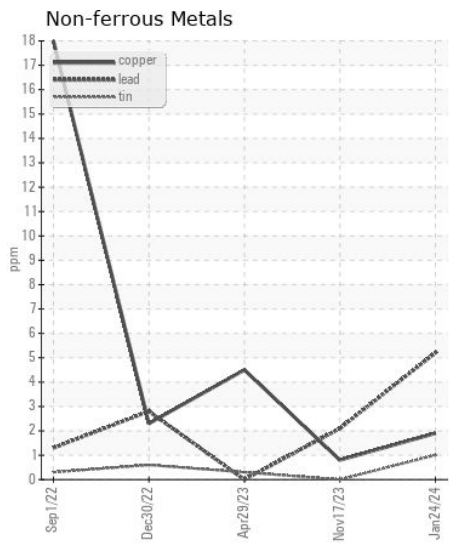
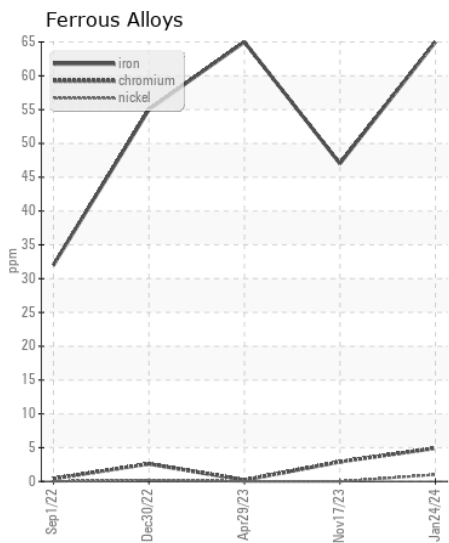
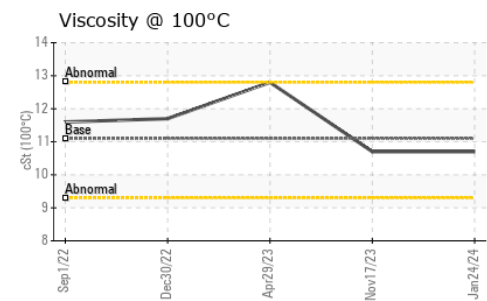
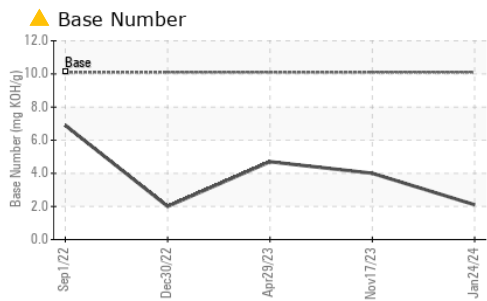
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The BN level is low. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0014172	RPL0014622	RPL0010443
Sample Date		Client Info		24 Jan 2024	17 Nov 2023	29 Apr 2023
Machine Age	hrs	Client Info		0	9054	201930
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				ABNORMAL	NORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>100	65	47	65
Chromium	ppm	ASTM D5185m	>20	5	3	<1
Nickel	ppm	ASTM D5185m	>4	1	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	6	6	14
Lead	ppm	ASTM D5185m	>40	5	2	0
Copper	ppm	ASTM D5185m	>330	2	<1	4
Tin	ppm	ASTM D5185m	>15	1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	9	7	7
Potassium	ppm	ASTM D5185m	>20	11	10	▲ 94
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	0.7	0.5	1
Nitration	Abs/cm	*ASTM D7624	>20	12.7	11.8	12.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	32.9	28.2	28.8
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
Sodium	ppm	ASTM D5185m		0	2	6
Boron	ppm	ASTM D5185m		18	22	18
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		10	8	14
Manganese	ppm	ASTM D5185m		1	0	<1
Magnesium	ppm	ASTM D5185m		719	699	652
Calcium	ppm	ASTM D5185m		1271	1293	1362
Phosphorus	ppm	ASTM D5185m	1260	697	723	642
Zinc	ppm	ASTM D5185m	1400	823	795	779
Sulfur	ppm	ASTM D5185m		2752	2926	3018
Oxidation	Abs/.1mm	*ASTM D7414	>25	37.6	28.8	25.5
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	▲ 2.1	4.0	4.7
Visc @ 100°C	cSt	ASTM D445	11.1	10.7	10.7	12.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0014172 **Received** : 09 Feb 2024
Lab Number : 06085313 **Tested** : 12 Feb 2024
Unique Number : 10872758 **Diagnosed** : 12 Feb 2024 - Don Baldrige
Test Package : FLEET

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 US 77026
 Contact: RODNEY BRIGGS
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 T:
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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)