



PacLease

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
8574166
 Component
Diesel Engine
 Fluid
CHEVRON DELO 400 MULTIGRADE 15W40 (11 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0019727	RPL0016616	RPL0014883
Sample Date		Client Info		09 May 2024	07 Feb 2024	06 Oct 2023
Machine Age	hrs	Client Info		0	84362	67296
Oil Age	hrs	Client Info		0	25000	67296
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>165	12	5	0
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	0	<1
Titanium	ppm	ASTM D5185m	>2	<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	5	2	12
Lead	ppm	ASTM D5185m	>150	1	0	0
Copper	ppm	ASTM D5185m	>90	2	<1	<1
Tin	ppm	ASTM D5185m	>5	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

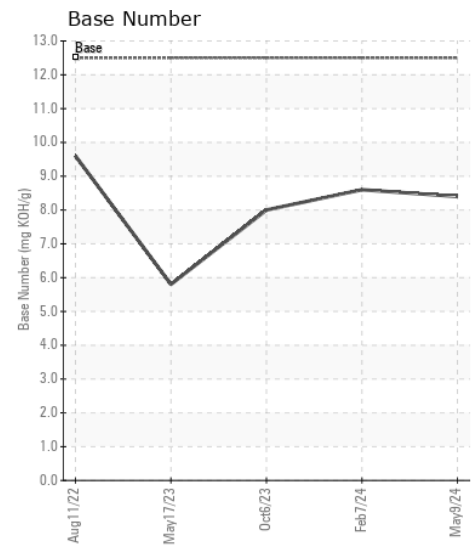
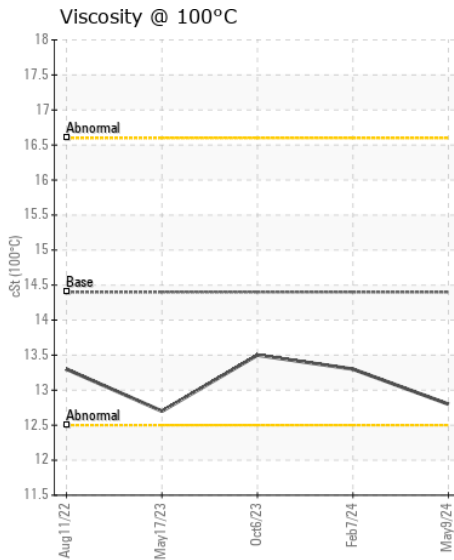
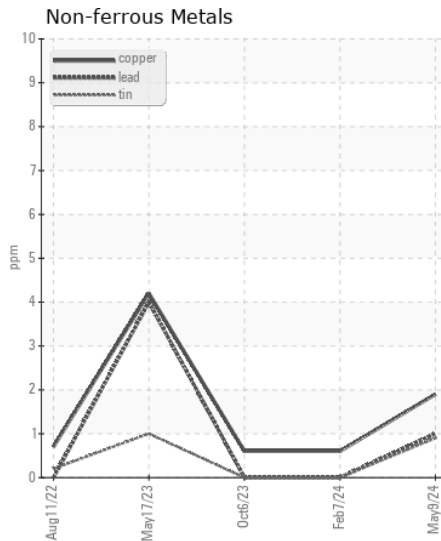
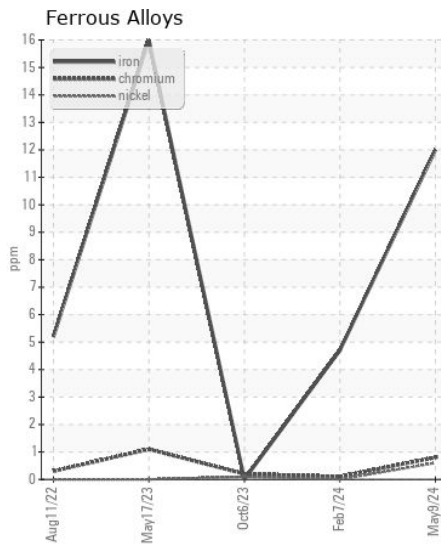
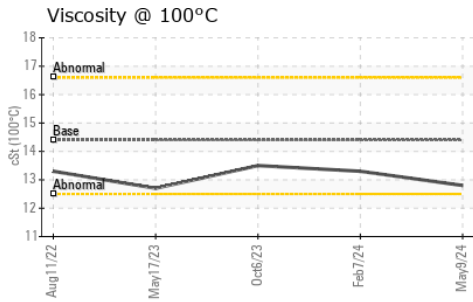
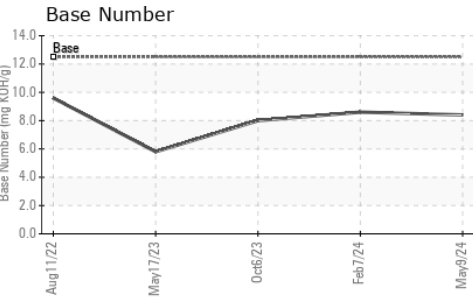
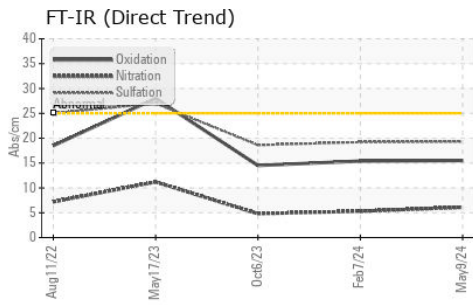
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	6	4	4
Potassium	ppm	ASTM D5185m	>20	10	5	3
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>7.5	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	6.1	5.3	4.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.3	19.2	18.6
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		2	1	2
Boron	ppm	ASTM D5185m	151	185	169	183
Barium	ppm	ASTM D5185m	0.4	1	0	2
Molybdenum	ppm	ASTM D5185m	250	88	71	74
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	441	396	383
Calcium	ppm	ASTM D5185m	2046	1740	1438	1439
Phosphorus	ppm	ASTM D5185m	1043	1084	924	952
Zinc	ppm	ASTM D5185m	943	1296	1100	1131
Sulfur	ppm	ASTM D5185m	5012	3583	2892	3414
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.5	15.4	14.5
Base Number (BN)	mg KOH/g	ASTM D2896	12.5	8.4	8.6	8.0
Visc @ 100°C	cSt	ASTM D445	14.4	12.8	13.3	13.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0019727
Lab Number : 06217891
Unique Number : 11096088
Test Package : FLEET
Received : 24 Jun 2024
Tested : 25 Jun 2024
Diagnosed : 25 Jun 2024 - Don Baldrige

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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)