



PacLease

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
139193
 Component
Diesel Engine
 Fluid
CHEVRON DELO 400 MULTIGRADE 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0019643	RPL0007749	RPL0007674
Sample Date		Client Info		20 May 2024	29 Jun 2023	28 Jan 2023
Machine Age	mls	Client Info		346969	314193	305778
Oil Age	mls	Client Info		32776	8415	0
Filter Age	mls	Client Info		0	8415	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>165	12	24	59
Chromium	ppm	ASTM D5185m	>5	<1	1	2
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m	>2	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	6	12
Lead	ppm	ASTM D5185m	>150	1	9	39
Copper	ppm	ASTM D5185m	>90	1	1	5
Tin	ppm	ASTM D5185m	>5	0	<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

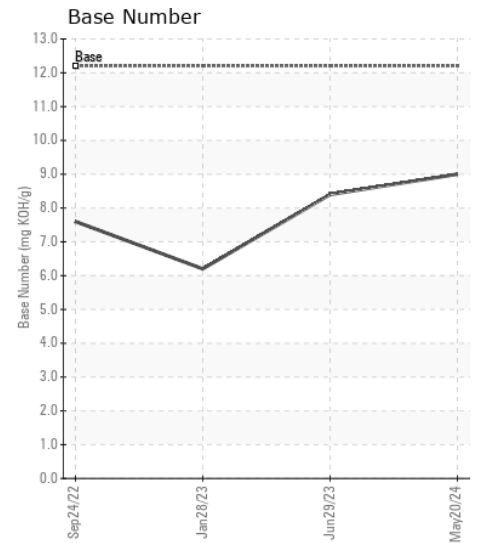
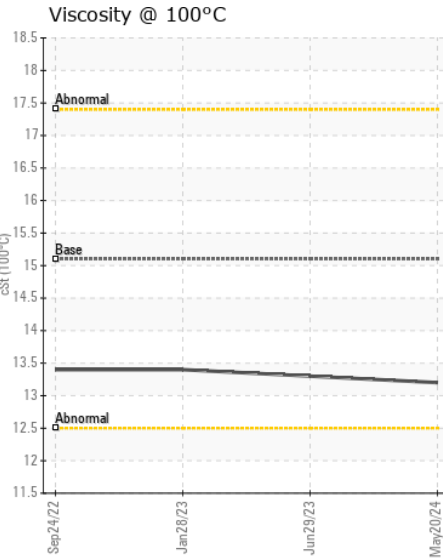
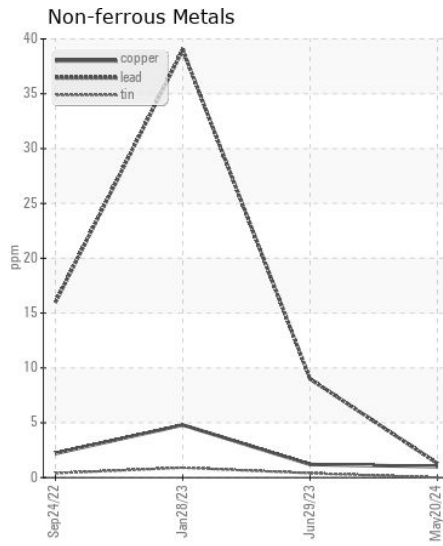
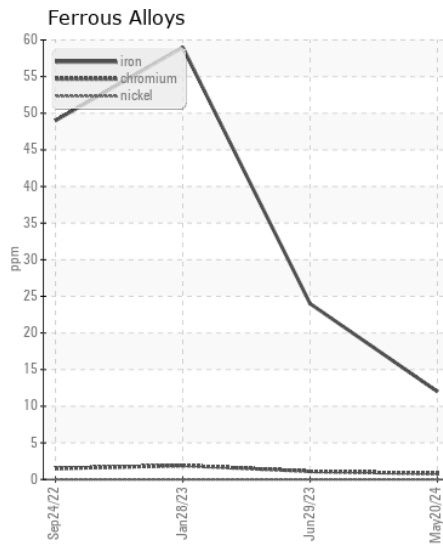
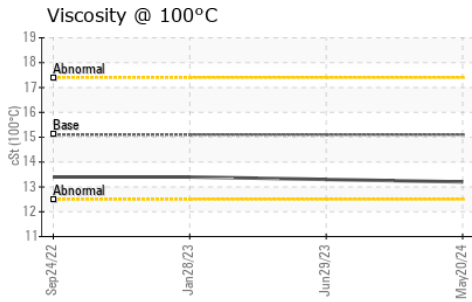
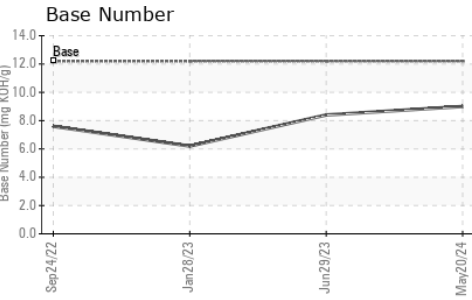
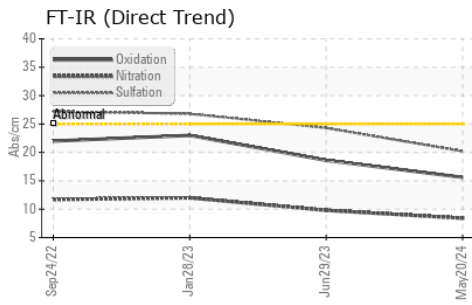
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	7	8	11
Potassium	ppm	ASTM D5185m	>20	4	6	22
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	0.3	0.4	0.7
Nitration	Abs/cm	*ASTM D7624	>20	8.4	9.8	12.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.2	24.3	26.8
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

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		<1	2	<1
Boron	ppm	ASTM D5185m		33	229	100
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		86	113	122
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		1093	686	650
Calcium	ppm	ASTM D5185m		1497	1531	1601
Phosphorus	ppm	ASTM D5185m	1360	1262	725	681
Zinc	ppm	ASTM D5185m	1480	1522	866	873
Sulfur	ppm	ASTM D5185m		3919	2941	2643
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.6	18.6	23.0
Base Number (BN)	mg KOH/g	ASTM D2896	12.2	9.0	8.4	6.2
Visc @ 100°C	cSt	ASTM D445	15.1	13.2	13.3	13.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0019643
Lab Number : 06216580
Unique Number : 11089444
Test Package : FLEET

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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)