

OIL ANALYSIS REPORT



NORMAL



Machine Id **3176** Component

Diesel Engine

CHEVRON DELO 400 SAE 10W30 (--- GAL)

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Recommendation

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

All component wear rates are normal.

Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

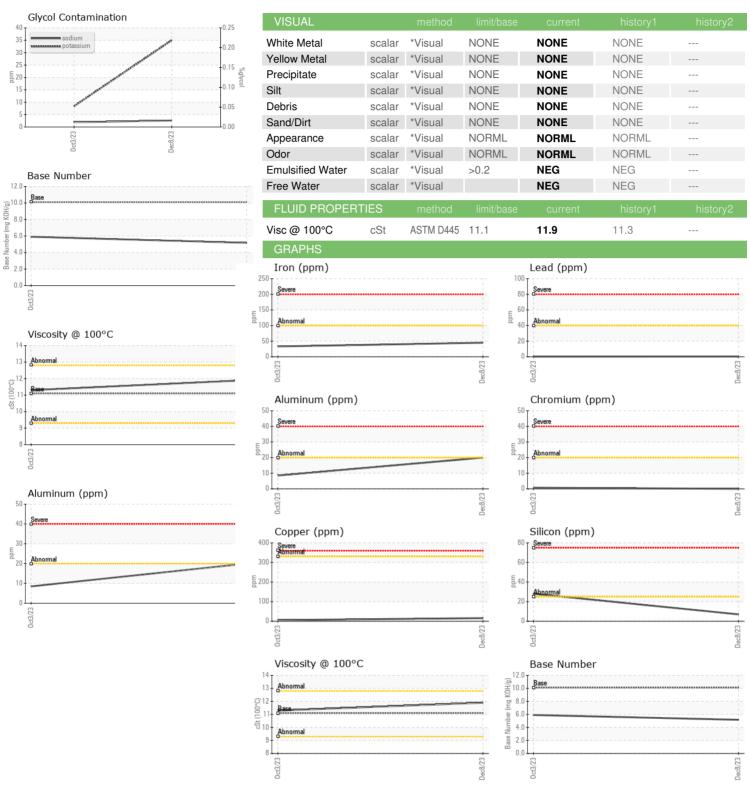
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

			0ct2023	Dec2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0540402	WC0540386	
Sample Date		Client Info		08 Dec 2023	03 Oct 2023	
Machine Age	mls	Client Info		96348	120819	
	mls	Client Info		49600	0	
Oil Age	11115	Client Info		N/A	Changed	
Oil Changed		Ciletit IIIIO		NORMAL	ABNORMAL	
Sample Status						
CONTAMINATION	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	45	33	
Chromium	ppm	ASTM D5185m	>20	0	<1	
Nickel	ppm	ASTM D5185m	>4	0	<1	
Titanium	ppm	ASTM D5185m		0	<1	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>20	20	8	
Lead	ppm	ASTM D5185m	>40	<1	<1	
Copper	ppm	ASTM D5185m	>330	16	6	
Tin	ppm	ASTM D5185m	>15	<1	1	
Vanadium	ppm	ASTM D5185m		0	<1	
Cadmium	ppm	ASTM D5185m		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		9	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		2	2	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		779	93	
Calcium	ppm	ASTM D5185m		1411	2368	
Phosphorus	ppm	ASTM D5185m	1260	678	913	
Zinc	ppm	ASTM D5185m	1400	910	1144	
Sulfur	ppm	ASTM D5185m		2880	3532	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	7	<u>^</u> 28	
Sodium	ppm	ASTM D5185m		3	2	
Potassium	ppm	ASTM D5185m	>20	35	8	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.9	0.8	
Nitration	Abs/cm	*ASTM D7624	>20	13.0	9.8	
Sulfation	Abs/.1mm	*ASTM D7415	>30	28.4	27.0	
FLUID DEGRADA	TION _	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	23.6	17.6	
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	5.17	5.91	
(B11)				-		



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Laboratory Sample No. Lab Number **Unique Number**

: 06058326 : 10829708

: WC0540402 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 11 Jan 2024 Recieved

Diagnosed : 12 Jan 2024 : Sean Felton Diagnostician

Certificate L2367 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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