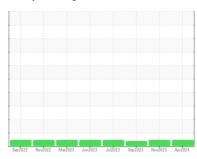


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
3115
Component
Diesel Engine

CHEVRON DELO 400 XLE 10W30 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

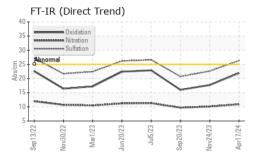
Fluid Condition

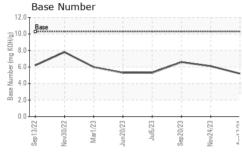
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

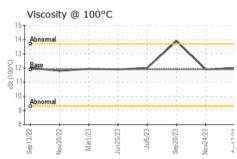
		Sep 2022 1	lov2022 Mar2023 Jun202	23 Jul2023 Sep2023 Nov202	3 Apr2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0906915	WC0863326	WC0663233
Sample Date		Client Info		17 Apr 2024	24 Nov 2023	20 Sep 2023
Machine Age	mls	Client Info		221410	201468	189250
Oil Age	mls	Client Info		47523	174335	14915
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	ATTENTION
CONTAMINATIC	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	29	13	42
Chromium	ppm	ASTM D5185m	>20	0	0	1
Nickel	ppm	ASTM D5185m	>4	1	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	6	3	8
Lead	ppm	ASTM D5185m	>40	0	0	1
Copper	ppm	ASTM D5185m	>330	9	2	4
Tin	ppm	ASTM D5185m	>15	0	0	1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		26	32	2
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		8	2	64
Manganese	ppm	ASTM D5185m		<1	<1	2
Magnesium	ppm	ASTM D5185m		871	791	1029
Calcium	ppm	ASTM D5185m	2900	1601	1440	1122
Phosphorus	ppm	ASTM D5185m	1100	835	756	1081
Zinc	ppm	ASTM D5185m	1200	949	882	1328
Sulfur	ppm	ASTM D5185m	4000	3731	3003	3308
CONTAMINANTS	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	9	8	8
Sodium	ppm	ASTM D5185m		11	8	7
Potassium	ppm	ASTM D5185m	>20	11	5	5
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.6	0.4	0.3
Nitration	Abs/cm	*ASTM D7624	>20	10.9	10.1	9.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.3	22.6	20.7
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.9	17.7	16.0
Base Number (BN)	mg KOH/g	ASTM D2896	10.3	5.2	6.1	6.6
(,	0 - 9					



OIL ANALYSIS REPORT



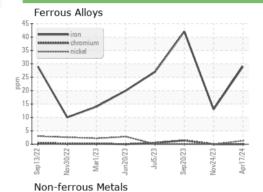




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID DDODEDI	150		11 11 11		111	1:

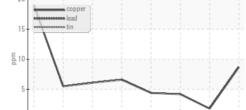
12.0

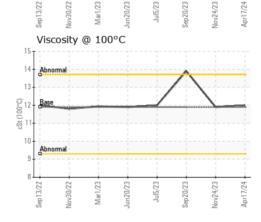
Visc @ 100°C
GRAPHS

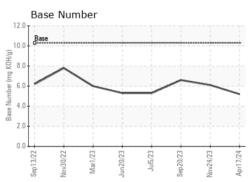


cSt

ASTM D445 11.9











Certificate 12367

Laboratory Sample No. Lab Number : 06159702

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0906915 Unique Number : 10995125 Test Package : FLEET

Received **Tested**

: 24 Apr 2024 : 25 Apr 2024

: 25 Apr 2024 - Wes Davis

Diagnosed

US 98944 Contact: Barbara Kluever

LTI/MILKY WAY - SUNNYSIDE

bkluever@lynden.com T: (509)839-5844 F: (509)839-6556

333 MIDVALE RD

SUNNYSIDE, WA

13.9

11.9

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)