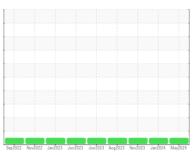


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id
3181
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.

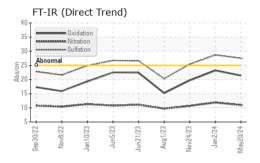
Fluid Condition

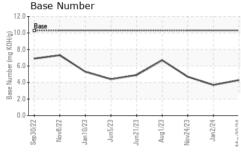
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

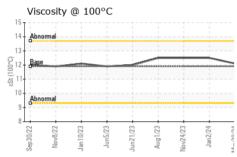
		Sep2022 No	v2022 Jan2023 Jun2023	Jun2023 Aug2023 Nov2023 Jan20	24 May2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0906851	WC0863262	WC0863327
Sample Date		Client Info		20 May 2024	02 Jan 2024	24 Nov 2023
Machine Age	mls	Client Info		211127	16132	144177
Oil Age	mls	Client Info		49447	53448	106013
Oil Changed		Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	٧	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	24	32	19
Chromium	ppm	ASTM D5185m	>20	<1	<1	0
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	9	12	8
Lead	ppm	ASTM D5185m	>40	<1	0	0
Copper	ppm	ASTM D5185m	>330	4	5	4
Tin	ppm	ASTM D5185m	>15	1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		16	13	17
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		1	1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		758	810	781
Calcium	ppm	ASTM D5185m	2900	1484	1494	1402
Phosphorus	ppm	ASTM D5185m	1100	775	746	736
Zinc	ppm	ASTM D5185m	1200	829	864	862
Sulfur	ppm	ASTM D5185m	4000	3268	2914	2876
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	11	13	10
Sodium	ppm	ASTM D5185m		4	4	3
Potassium	ppm	ASTM D5185m	>20	11	19	13
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.1	1.1	0.7
Nitration	Abs/cm	*ASTM D7624	>20	11.0	11.9	10.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.5	28.7	25.4
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.4	23.2	19.7
Base Number (BN)	mg KOH/g	ASTM D2896	10.3	4.3	3.7	4.7
, ,						

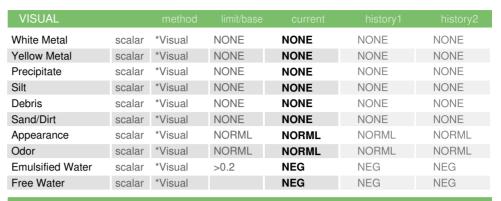


OIL ANALYSIS REPORT



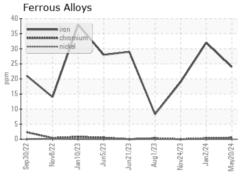


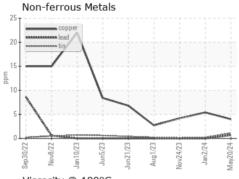


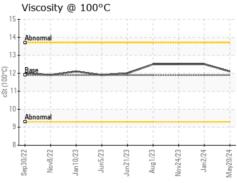


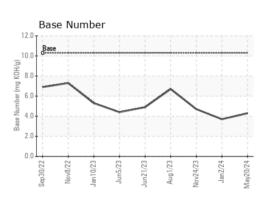
FLUID PROPER	RTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	11.9	12.1	12.5	12.5

GRAPHS













Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0906851 Lab Number : 06194876 Unique Number : 11056999 Test Package : FLEET

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received : 29 May 2024 **Tested** : 30 May 2024

Diagnosed

: 30 May 2024 - Wes Davis

SUNNYSIDE, WA US 98944 Contact: Barbara Kluever bkluever@lynden.com

LTI/MILKY WAY - SUNNYSIDE

T: (509)839-5844 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (509)839-6556 Contact/Location: Barbara Kluever - LTISUN

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Report Id: LTISUN [WUSCAR] 06194876 (Generated: 05/30/2024 17:33:56) Rev: 1

333 MIDVALE RD