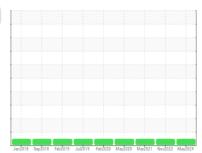


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

KENWORTH 3954

Diesel Engine

CHEVRON DELO 400 SAE 10W30 (32 QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

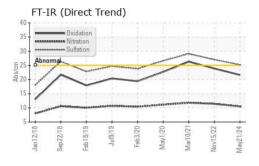
Fluid Condition

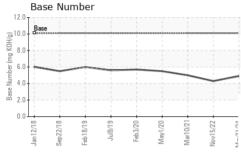
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

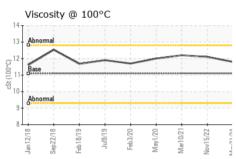
)		Jan2018 Sep	o2018 Feb2019 Jul2019	Feb 2020 May 2020 Mar 2021 Nov 20	122 May2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0909938	WC0487050	WC0487042
Sample Date		Client Info		21 May 2024	15 Nov 2022	10 Mar 2021
Machine Age	mls	Client Info		357387	275555	183167
Oil Age	mls	Client Info		42000	45676	45491
Oil Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	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	17	25	18
Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	6	10	8
Lead	ppm	ASTM D5185m	>40	<1	0	0
Copper	ppm	ASTM D5185m	>330	9	8	6
Tin	ppm	ASTM D5185m	>15	2	1	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		39	27	28
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		12	2	2
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		749	746	785
Calcium	ppm	ASTM D5185m		1458	1485	1533
Phosphorus	ppm	ASTM D5185m	1260	887	729	772
Zinc	ppm	ASTM D5185m	1400	904	853	839
Sulfur	ppm	ASTM D5185m		3361	3367	2574
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm		>25	7	7	6
Sodium	ppm	ASTM D5185m		37	6	3
Potassium	ppm	ASTM D5185m	>20	6	8	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.5	0.5
Nitration	Abs/cm	*ASTM D7624	>20	10.5	11.4	11.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.2	27.0	29.1
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.6	23.9	26.3
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	4.9	4.3	5
2:40:21) Pov: 1				Contact/	tion, Dorbors 1/	LIGHT LTICHAL



OIL ANALYSIS REPORT



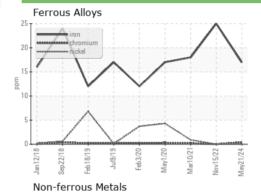


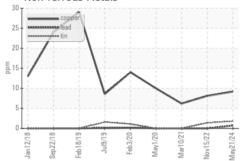


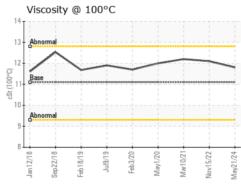
VISUAL		method				history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	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

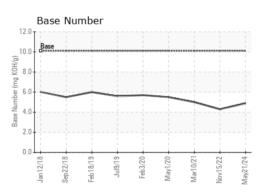
FLUID PROPER	KIIES	metnoa	ilmit/base	current	nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	11.1	11.8	12.1	12.2

GRAPHS













Certificate 12367

Laboratory Sample No.

Lab Number : 06202207 Unique Number : 11069668

: WC0909938 Test Package : FLEET

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 06 Jun 2024 **Tested** : 10 Jun 2024

Diagnosed : 10 Jun 2024 - Wes Davis LTI/MILKY WAY - SUNNYSIDE

333 MIDVALE RD SUNNYSIDE, WA US 98944

Contact: Barbara Kluever bkluever@lynden.com T: (509)839-5844

* - 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)

F: (509)839-6556