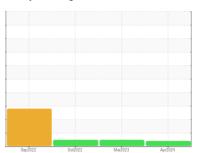


OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id

KENWORTH 3155

Diesel Engine

CHEVRON DELO 400 XLE 15W40 (44 QTS)

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

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.

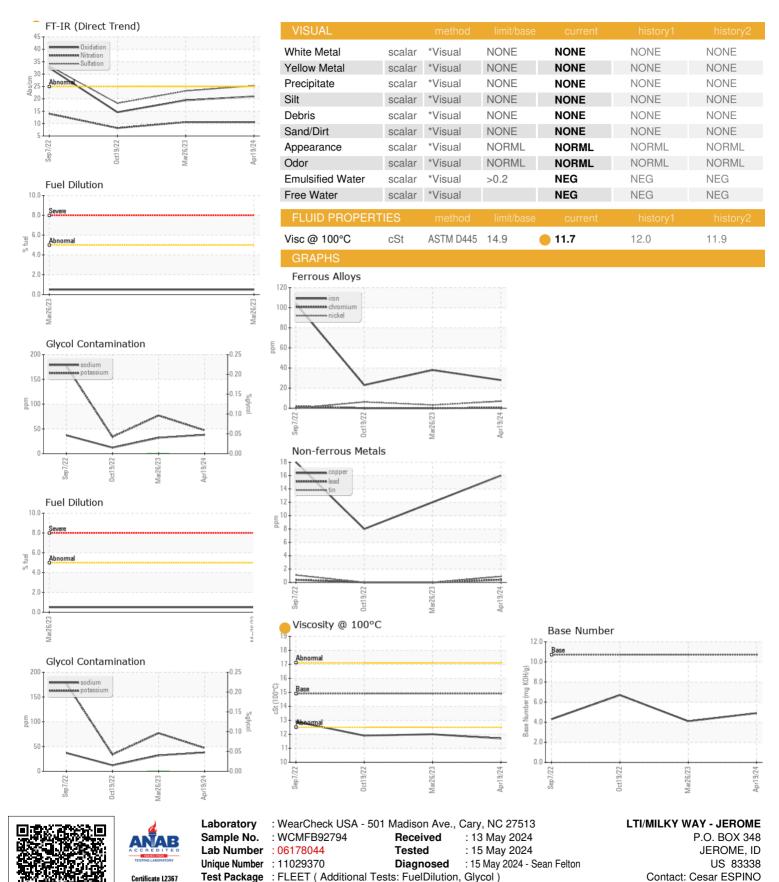
Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

		Sep 202	2 0ct2022	Mar2023 Ap	r/2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WCMFB92794	WCMFB92812	WCMFB92526
Sample Date		Client Info		19 Apr 2024	26 Mar 2023	19 Oct 2022
Machine Age	mls	Client Info		218430	171236	128340
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	NORMAL	NORMAL
CONTAMINATION	٧	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	28	38	23
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>4	7	3	6
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m		18	33	13
Lead	ppm	ASTM D5185m	>40	<1	0	0
Copper	ppm	ASTM D5185m	>330	16	12	8
Tin	ppm	ASTM D5185m	>15	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		27	32	85
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		18	14	10
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		689	823	778
Calcium	ppm	ASTM D5185m	700	1387	1595	1530
Phosphorus	ppm	ASTM D5185m	760	706	803	773
Zinc	ppm	ASTM D5185m		857	974	956
Sulfur	ppm	ASTM D5185m		3026	3477	3536
CONTAMINANTS		method	limit/base		history1	history2
Silicon	ppm	ASTM D5185m	>25	8	8	6
Sodium	ppm	ASTM D5185m	00	38	32	12
Potassium	ppm	ASTM D5185m	>20	47	77 0.5	34
Fuel	%	ASTM D3524	>5	<1.0	0.5	<1.0
Glycol	%	*ASTM D2982		NEG	0.0	NEG
INFRA-RED		method	limit/base		history1	history2
Soot %	%	*ASTM D7844	>3	0.5	0.5	0.2
Nitration	Abs/cm	*ASTM D7624		10.6	10.6	8.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.3	23.2	18.2
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.0	19.4	14.6
Base Number (BN)	mg KOH/g	ASTM D2896	10.7	4.9	4.1	6.7



OIL ANALYSIS REPORT



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

 st - 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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