



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
KENWORTH 3008
 Component
Diesel Engine
 Fluid
CHEVRON SUPREME MOTOR OIL 10W40 (40 QTS)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0906906	WC0906895	WC0863244
Sample Date		Client Info		13 Apr 2024	19 Mar 2024	28 Jan 2024
Machine Age	mls	Client Info		367194	362327	347979
Oil Age	mls	Client Info		362307	309352	38627
Filter Age	mls	Client Info		4887	52975	38627
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	NORMAL	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	10	38	24
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	7	30	19
Lead	ppm	ASTM D5185m	>40	<1	<1	1
Copper	ppm	ASTM D5185m	>330	21	4	8
Tin	ppm	ASTM D5185m	>15	<1	1	1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

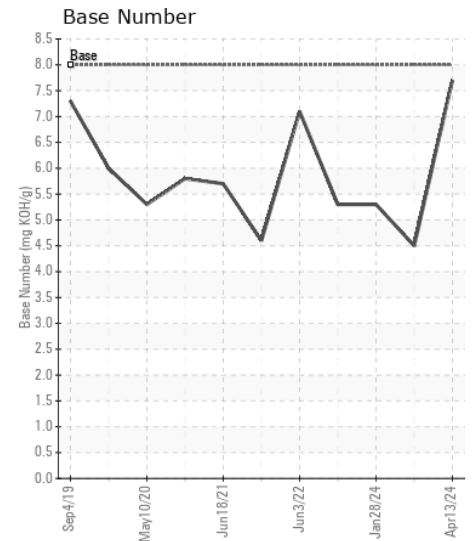
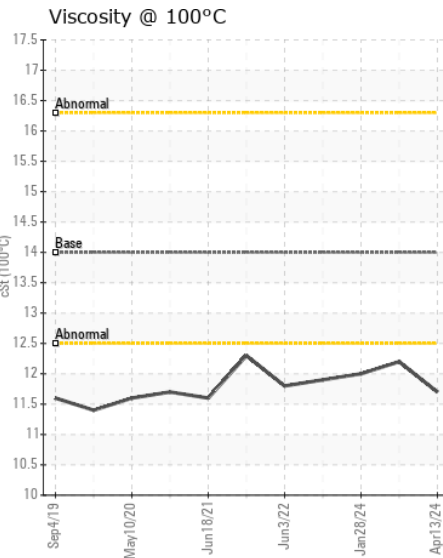
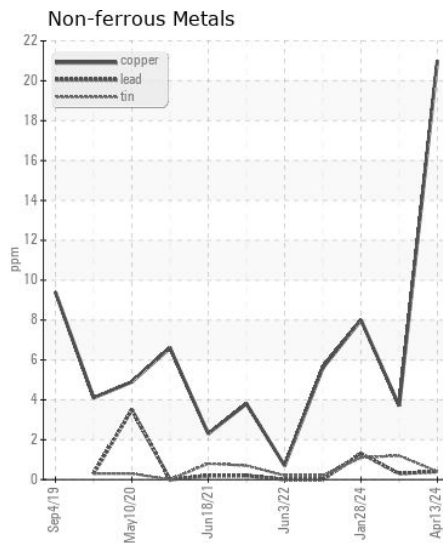
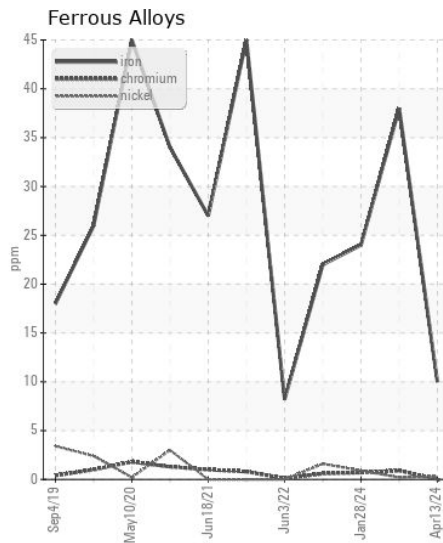
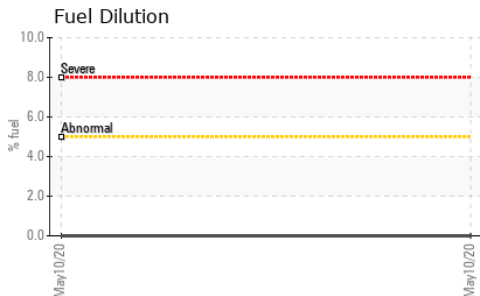
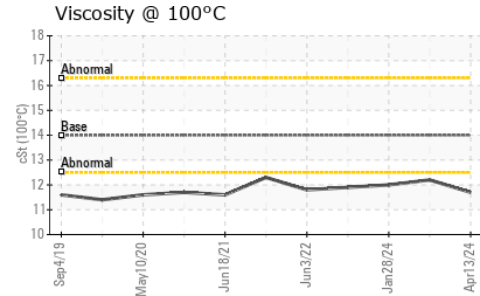
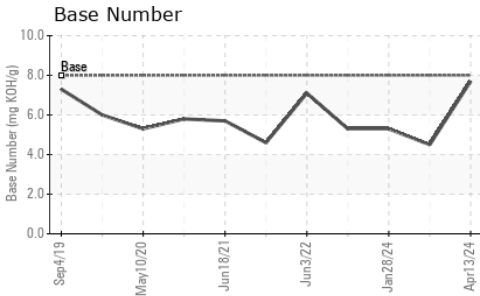
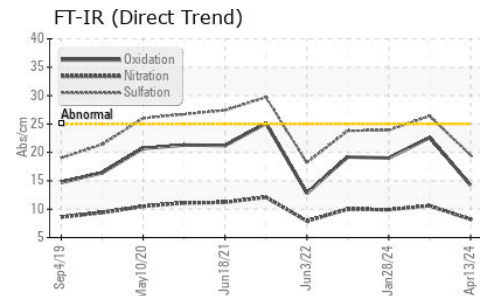
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	6	12	8
Potassium	ppm	ASTM D5185m	>20	22	80	54
Fuel	%	ASTM D3524	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.2	0.7	0.5
Nitration	Abs/cm	*ASTM D7624	>20	8.2	10.6	9.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.5	26.4	23.9
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

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.

Sodium	ppm	ASTM D5185m		7	19	17
Boron	ppm	ASTM D5185m		84	21	25
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		8	33	31
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		765	773	716
Calcium	ppm	ASTM D5185m		1327	1465	1287
Phosphorus	ppm	ASTM D5185m	990	757	762	707
Zinc	ppm	ASTM D5185m	1100	839	886	789
Sulfur	ppm	ASTM D5185m		3610	3055	2761
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.2	22.6	19.0
Base Number (BN)	mg KOH/g	ASTM D2896	8.0	7.7	4.5	5.3
Visc @ 100°C	cSt	ASTM D445	14.0	11.7	12.2	12.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0906906
Lab Number : 06153756
Unique Number : 10983834
Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

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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)