

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

KENWORTH T800 DUMP CD8 (S/N 1NKDX4TX1NJ336428)

Component

Diesel Engine

CHEVRON DELO 400 MULTIGRADE 15W40 (9 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.

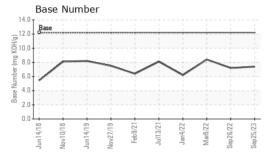
Fluid Condition

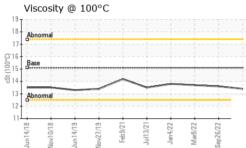
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Juni2018 Novi2016 Juni2019 Novi2019 Feb2021 Juni2021 Juni2022 Mar2022 Sep2022 Sep2023						
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0791715	WC0660142	WC0580727
Sample Date		Client Info		25 Sep 2023	26 Sep 2022	08 Mar 2022
Machine Age	mls	Client Info		293428	28062	272826
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	8	20	10
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	2	1
Lead	ppm	ASTM D5185m	>40	<1	2	1
Copper	ppm	ASTM D5185m	>330	<1	<1	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		70	31	54
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	2	4
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		716	673	626
Calcium	ppm	ASTM D5185m		1335	1431	1353
Phosphorus	ppm	ASTM D5185m	1360	694	662	672
Zinc	ppm	ASTM D5185m	1480	828	803	783
Sulfur	ppm	ASTM D5185m		3002	3435	2446
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	5	4
Sodium	ppm	ASTM D5185m		3	3	4
Potassium	ppm	ASTM D5185m	>20	2	2	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.8	0.5
Nitration	Abs/cm	*ASTM D7624	>20	9.3	12.1	10.3
Sulfation	Abs/.1mm	*ASTM D7415		18.7	23.6	20.9
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.1	16.8	14.4
Base Number (BN)	mg KOH/g	ASTM D2896	12.2	7.4	7.2	8.4
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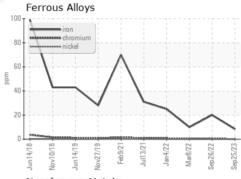


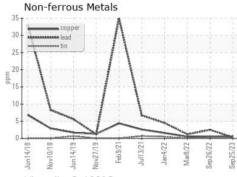


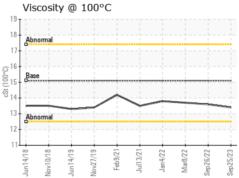
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

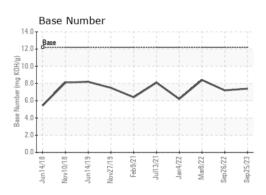
FLUID PROPERT	IES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	15.1	13.4	13.6	13.7

GRAPHS













Laboratory Sample No. Lab Number **Unique Number**

: WC0791715 : 05966929 : 10673480

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 02 Oct 2023

Diagnosed : 04 Oct 2023 Diagnostician : Jonathan Hester

Test Package : CONST (Additional Tests: TBN)

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)

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