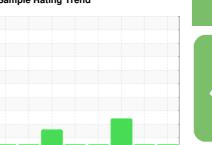


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



BLACK KENWORTH CH300029

Component

Diocol Engine

Diesel Engine

SHELL ROTELLA T 15W40 (--- GAL)

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

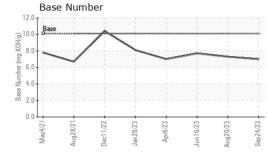
Fluid Condition

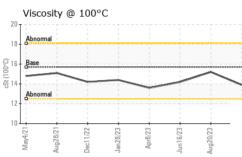
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

OAMBLE MESSE	4 A TION	mayeoe! ,	Aug2021 Dec2022 Jan20			
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0724820	WC0724763	WC0724800
Sample Date		Client Info		24 Sep 2023	20 Aug 2023	16 Jun 2023
Machine Age	mls	Client Info		0	726068	0
Oil Age	mls	Client Info		10000	10164	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL
CONTAMINATION	V	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	47	43	16
Chromium	ppm	ASTM D5185m	>20	5	4	2
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	5	<u> </u>
Lead	ppm	ASTM D5185m	>40	0	<1	0
Copper	ppm	ASTM D5185m	>330	0	2	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	316	457	352	182
Barium	ppm	ASTM D5185m	0.0	<1	0	4
Molybdenum	ppm	ASTM D5185m	1.2	85	70	11
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	24	397	337	66
Calcium	ppm	ASTM D5185m	2292	1380	1447	1834
Phosphorus	ppm	ASTM D5185m	1064	1062	946	852
Zinc	ppm	ASTM D5185m	1160	1259	1191	1095
Sulfur	ppm	ASTM D5185m	4996	3303	3652	3628
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	15	20	<u>\$\times\$</u> 25
Sodium	ppm	ASTM D5185m		<1	2	2
Potassium	ppm	ASTM D5185m	>20	<1	2	6
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.7	1	0.7
Nitration	Abs/cm	*ASTM D7624	>20	6.1	6.9	7.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.8	21.8	21.7
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.9	14.3	17.3
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	7.0	7.3	7.7
,	0					



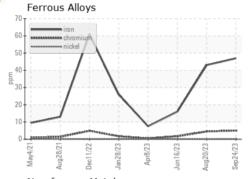
OIL ANALYSIS REPORT

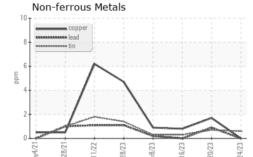


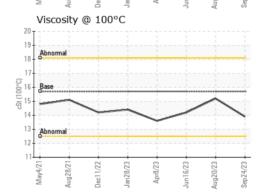


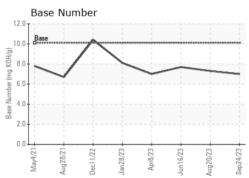
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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 PROPERI	IES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	15.7	13.9	15.2	14.2













Laboratory Sample No. Lab Number Test Package : FLEET

Unique Number : 10671742

: WC0724820 : 05965191

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 29 Sep 2023 Received Diagnosed : 02 Oct 2023

Diagnostician : Wes Davis

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)

BRAD HODGES TRUCKING

4775 US HWY 69 N LUFKIN, TX US 75904

Contact: BRAD HODGES

T:

F: